WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1891

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Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 3, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

Mass.
Weekly Bulletin
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STATE HOUSE, BOSTON

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 3, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Boston,	446,507	204	53	21	44	6	7	3
Worcester,	84,536	24	7	3	6	..	..	1
Lowell,	77,605	32	9	9	3	6	3	..
Fall River,	74,351	27	9	1	2	..	1	..
Cambridge,	69,837	14	4	1	5	..	..	1
Lynn,	55,684	15	4	2	..	1	1	..
Lawrence,	44,559	22	9	7	3	2	3	..
Springfield,	44,164	14	4	1	1	..	..	1
New Bedford,	40,705	12	3	..	..	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	8	2	..	..	..	..	..
Chelsea,	27,850	21	5	..	2	..	..	..
Haverhill,	27,322	8	4	..	2	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	5	2	..	..	..	..	..
Newton,	24,375	3	2	..	..	..	..	..
Malden,	22,984	6	2	..	3	..	..	..
Fitchburg,	22,007	3	0	2	..	1	..	..
Gloucester,	21,262	7	2	1	..	..	..	..
Waltham,	18,522	6	1	..	..	..	..	..
Pittsfield,	17,252	..	..	..	..	..	..	..
Quincy,	16,711	8	2	..	3	..	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	6	2	3	..	..	3	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	7	0	2	3	..	1	..
Medford,	11,052	2	2	..	2	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	..	..	..	..	..	..	..
Hyde Park,	10,200	3	0	..	1	..	..	..
Peabody,	10,123	4	1	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Total of reporting towns,	1,232,470	461	129	53	80	16	19	6

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REPORTED DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 19; typhoid fever, 16; scarlet-fever, 6; diarrhœal diseases, 4; measles, 3; erysipelas and puerperal fever, each 2; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox, malarial fever and whooping-cough.

There were 80 deaths from acute lung diseases; consumption, 52; and still-births, 32.

From diarrhœal diseases, Boston, Worcester, Fitchburg and Gloucester, 1 each. From measles, Boston, 2; Lawrence, 1. From erysipelas, Worcester and Lawrence, 1 each. From puerperal fever, Boston and Brookline, 1 each. From cerebro-spinal meningitis, Boston, 1.

Deaths from the principal infectious diseases numbered 53 against 51 for the preceding week.

Deaths under five years of age numbered 129 against 124 for the preceding week.

Cases reported in Boston: measles, 94; diphtheria, 18; scarlet-fever, 23; and typhoid fever, 5.

The death-rates for the week were: Boston, 23.76; Worcester, 14.76; Lowell, 21.44; Fall River, 18.88; Cambridge, 10.42; Lynn, 14.01; Lawrence, 25.66; Springfield, 16.38; New Bedford, 15.33; Somerville, ——; Holyoke, ——; Salem, 13.53; Chelsea, 39.20; Haverhill, 15.22; Brockton, ——; Taunton, 10.24; Newton, 6.42; Malden, 13.57; Fitchburg, 7.09; Gloucester, 17.11; Waltham, 16.84; Pittsfield, ——; Quincy, 24.88; Northampton, ——; Chicopee, ——; Newburyport, 22.38; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.45 against 18.73 and 19.70 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 3, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Dec. 1890. Sunday, 28,	29.84	15.0	23.0	8.0	72	70	71.0	W.	N. W.	19	11	C.	C.		0.00
Monday, 29,	29.89	17.0	30.0	4.0	85	76	81.0	S. W.	W.	18	12	O.	C.		0.00
Tuesday, 30,	30.40	10.0	16.0	4.0	90	100	95.0	N. W.	N. W.	12	5	C.	N.		Trace
Wednes'y, 31,	30.36	14.0	19.0	9.0	77	63	70.0	N. W.	N. W.	12	6	O.	O.		Trace
Jan. 1891. Thursday, 1,	30.10	24.0	33.0	15.0	74	100	87.0	W.	S. E.	4	9	O.	R.		0.01
Friday, 2,	29.43	43.0	52.0	33.0	100	100	100.0	S.	Calm.	12	0	R.	O.		0.93
Saturday, 3,	29.95	27.0	32.0	22.0	84	73	78.0	N. W.	N. W.	24	14	O.	C.		0.38
Week, - -	29.99		29.0	13.0			83.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 18 smaller towns of Massachusetts, as reported to the State Board of Health for the month of December.

The total death-rate of reporting towns for the month was 14.30.

Towns.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from: Infectious Diseases.	Acute Lung Diseases.	Consumption.	Diphtheria and Croup.	Typhoid Fever.
Stoneham,	6,158	5	0	..	2	1	..	..
Middleborough,	6,014	4	1	1	..	..	1	..
Hudson,	4,674	4	2	..	2	1	..	..
Great Barrington,	4,607	6	0	..	1	1	..	..
Hingham,	4,558	5	0	..	..	..	..	..
Williamstown,	4,208	3	0	..	..	..	..	..
Easton,	4,076	13	4	7	..	..	7	..
Randolph,	3,963	4	1	..	..	2	..	..
Dalton,	2,873	2	0	1	..	..	..	1
Merrimac,	2,629	6	2	1	2	1	..	..
Cohasset,	2,452	1	0	..	..	..	..	..
Agawam,	2,344	2	1	..	..	..	..	..
Groton,	2,071	2	0	..	1	..	..	..
Norton,	1,728	4	1	..	1	..	..	..
Shrewsbury,	1,438	2	0	..	1	1	..	..
Topsfield,	1,013	2	0	..	..	..	..	..
Truro,	918	1	0	..	..	..	..	..
Heath,	502	1	0	..	..	..	..	..
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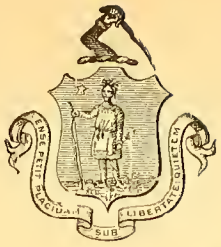
Total of reporting towns,	56,226	67	12	10	10	7	8	1



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 10, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 10, 1891.

Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Boston,	446,507	212	69	15	50	2	5	1
Worcester,	84,536	32	13	4	3	..	2	1
Lowell,	77,605	39	11	9	9	6	1	..
Fall River,	74,351	29	9	4	2	..	3	..
Cambridge,	69,837	21	6	2	7	1	1	..
Lynn,	55,684	9	4	1	..	..	..	1
Lawrence,	44,559	27	9	4	6	3	..	..
Springfield,	44,164	15	5	2	6	..	2	..
New Bedford,	40,705	12	3	..	3	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	6	2	2	3	..	..	1
Chelsea,	27,850	9	2	1	1	1	..	..
Haverhill,	27,322	9	3	..	1	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	8	1	..	1	..	..	..
Newton,	24,375	4	2	..	1	..	..	..
Malden,	22,984	5	0	..	..	..	..	..
Fitchburg,	22,007	7	3	..	..	..	..	..
Gloucester,	21,262	9	1	1	..	1	..	..
Waltham,	18,522	3	0	..	..	..	..	..
Pittsfield,	17,252	..	..	..	..	..	..	..
Quincy,	16,711	7	1	2	..	..	..	2
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	7	0	..	..	..	..	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	4	0	..	..	..	..	..
Medford,	11,052	2	1	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	2	1	..	..	..	..	..
Hyde Park,	10,200	0	0	..	..	..	..	..
Peabody,	10,123	2	0	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Total of reporting towns,	1,242,849	480	146	47	93	14	14	6

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 14; typhoid fever, 14; cerebro-spinal meningitis, 6; diarrhœal diseases, 5; scarlet-fever, 3; whooping-cough, 2; measles, malarial fever and puerperal fever, each, 1.

No deaths were reported from small-pox and erysipelas.

There were 93 deaths from acute lung diseases: consumption, 75; and still-births, 36.

From diarrhœal diseases, Boston, 3: Lowell and Lawrence, 1 each. From scarlet-fever, Boston, Lowell and Fall River, 1 each. From whooping-cough, Worcester and Salem, 1 each. From measles, Boston, 1. From malarial fever, Boston, 1. From puerperal fever, Boston, 1.

Deaths from the principal infectious diseases numbered 47 against 53 for the preceding week.

Deaths under five years of age numbered 146 against 129 for the preceding week.

Cases reported in Boston: measles, 93; scarlet-fever, 20; diphtheria, 18; typhoid fever, 9.

The death-rates for the week were: Boston, 24.69; Worcester, 19.68; Lowell, 26.13; Fall River, 20.28; Cambridge, 15.66; Lynn, 8.40; Lawrence, 31.50; Springfield, 17.66; New Bedford, 15.33; Somerville. ——; Holyoke, ——; Salem, 10.15; Chelsea, 16.80; Haverhill, 17.12; Brockton, ——; Taunton, 16.38; Newton, 8.56; Malden, 11.31; Fitchburg, 16.54; Gloucester, 22.00; Waltham, 8.42; Pittsfield, ——; Quincy, 21.77; Northampton, ——; Chicopee, ——; Newburyport, 26.11: Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.08 against 19.45 and 18.73 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 10, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 4,	30.26	18.0	25.0	12.0	83	81	82.0	N. W.	N. W.	12	9	O.	O.		0.00
Monday, 5,	29.94	24.0	26.0	22.0	100	100	100.0	N.	N. W.	18	18	N.	N.		31.00
Tuesday, 6,	29.94	22.0	25.0	19.0	86	79	82.0	N. W.	W.	12	12	F.	F.		Trace
Wednes'y, 7,	30.02	25.0	32.0	18.0	68	63	65.0	N. W.	N. W.	12	12	F.	O.		0.00
Thursday, 8,	30.27	22.0	35.0	19.0	73	53	63.0	N. W.	N. W.	17	16	C.	C.		0.00
Friday, 9,	30.36	24.0	34.0	14.0	77	73	75.0	N. W.	S. W.	10	9	C.	F.		0.00
Saturday, 10,	30.20	32.0	42.0	22.0	61	67	64.0	W.	S. W.	8	0	C.	C.		0.00
Week, - -	30.14		31.0	18.0			76.0								

* O., Cloudy: C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 17, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of January.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 17, 1891.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future he published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Boston,	446,507	227	74	20	43	3	5	4
Worcester,	84,536	23	10	3	3	..	3	..
Lowell,	77,605	33	10	10	7	7	..	1
Fall River,	74,351	26	10	7	7	1	2	2
Cambridge,	69,837	15	5	1	3	..	..	..
Lynn,	55,684	15	4	2	2	1	..	..
Lawrence,	44,559	26	9	6	3	5	1	..
Springfield,	44,164	20	9	..	4	..	..	..
New Bedford,	40,705	19	4	2	1	..	1	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	13	2	1	..	..	..	..
Chelsea,	27,850	11	1	2	1	2	..	..
Haverhill,	27,322	9	1	..	2	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	13	4	..	3	..	..	..
Newton,	24,375	9	1	1	3	..	..	..
Malden,	22,984	3	2	..	1	..	..	..
Fitchburg,	22,007	6	1	..	..	..	..	..
Gloucester,	21,262	7	3	..	..	..	..	..
Waltham,	18,522	5	1	..	..	..	..	..
Pittsfield,	17,252	15	7	7	3	1	6	..
Quincy,	16,711	8	1	5	1	3	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	8	3	1	..	..	1	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	2	0	..	..	..	..	..
Medford,	11,052	0	0	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	2	1	..	..	..	..	..
Hyde Park,	10,200	1	0	..	..	..	..	..
Peabody,	10,123	2	2	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Total of reporting towns.	1,260,083	518	165	68	87	23	19	7

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-eight deaths were reported from the principal infectious diseases: typhoid fever, 23; diphtheria and croup, 19; scarlet-fever, 7; cerebro-spinal meningitis, 6; measles, 5; erysipelas, 3; whooping-cough and diarrhœal diseases, 2 each; malaria, 1.

No deaths were reported from small-pox and puerperal fever.

There were 87 deaths from acute lung diseases; consumption, 56; and still-births, 25.

From cerebro-spinal meningitis: Quincy, 2; Boston, Lowell, Lynn and Salem, 1 each. From measles: Boston, 3; Fall River, 2. From erysipelas: Boston, 2; New Bedford, 1. From whooping-cough: Boston and Lowell, 1 each. From diarrhœal diseases: Boston and Newton, 1 each. From malaria: Cambridge, 1.

Deaths from the principal infectious diseases numbered 68 against 47 for the preceding week.

Deaths under five years of age numbered 165 against 146 for the preceding week.

Cases reported in Boston: measles, 96; diphtheria, 20; scarlet-fever, 19; typhoid fever, 7.

The death-rates for the week were: Boston, 26.44; Worcester, 20.14; Lowell, 22.11: Fall River, 18.18; Cambridge, 11.16; Lynn, 14.01; Lawrence, 30.34; Springfield, 23.54; New Bedford, 24.27; Somerville, ——; Holyoke, ——; Salem, 21.98; Chelsea, 20.53; Haverhill, 17.12; Brockton, ——; Taunton, 26.62; Newton, 19.26; Malden, 6.78; Fitchburg, 14.18; Gloucester, 17.11; Waltham, 14.05; Pittsfield, ——; Quincy, 24.88; Northampton, ——; Chicopee, ——; Newburyport, 29.84: Marlborough, ——; Woburn, ——.

The total death-rate for the week was 21.37 against 20.08 and 19.45 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 17, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 11,	29.85	38.0	47.0	29.0	62	100	81.0	S. W.	S. E.	8	27	O.	R.		0.40
Monday, 12,	29.96	39.0	46.0	31.0	89	74	81.0	S. W.	W.	30	27	O.	O.		0.23
Tuesday, 13,	29.80	23.0	27.0	18.0	73	61	65.0	W.	W.	14	12	C.	C.		0.00
Wednes'y, 14,	29.86	28.0	39.0	16.0	100	69	85.0	S.	S. W.	14	12	S.	O.		0.01
Thursday, 15,	30.35	30.0	36.0	23.0	74	48	61.0	W.	S. W.	8	16	C.	C.		0.00
Friday, 16,	30.52	28.0	31.0	24.0	73	71	72.0	W.	N. E.	10	12	F.	O.		0.00
Saturday, 17,	30.27	24.0	32.0	16.0	100	100	100.0	N.	N. E.	12	20	S.	R.		0.40
Week, - -	30.09		37.0	22.0			78.0								1.04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	111	59	170	Maple Syrup,	2	2	4
Butter,	1	7	8	Canned Goods,	..	..	..
Cheese,	2	..	2	Honey,	2	..	2
Lard,	..	1	1	Tea,	3	..	3
Olive Oil,	..	..	..	Coffee,	14	2	16
Vinegar,	1	1	2	Cocoa,	..	..	..
Spices,	20	14	34	Confectionery,	2	..	2
Cream of Tartar,	11	5	16	Other articles of Food and Drinks,	3	..	3
Molasses,	11	1	12	Drugs,	8	5	13
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	191	97	288

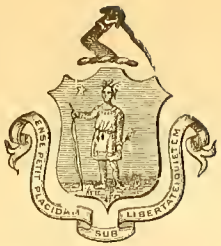
Percentage of adulteration, 33.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Thirteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs Of these, three were for violation of the laws relating to milk, two of cream of tartar, one each of butter, molasses, maple syrup, coffee and pepper, and three were for violation of the laws relative to the sale of poisons. The latter had reference to the cosmetics mentioned in the last monthly bulletin, and one other preparation. These were Madame Ruppert's Face Bleach, Madame Yale's Complexion Bleach and Soule's Eradicator, all of which proved to be strong solutions of Corrosive Sublimate. In the case of the latter the defendant was discharged. In all of the other cases convictions ensued and fines were imposed, amounting to $401.

The samples of drugs examined were Powdered Opium, Bisulphate of Quinine, Citrate of Iron and Quinine, Ether, Subnitrate of Bismuth, Tannic Acid, Powdered Cinnamon, Lycopodium, Cough Syrup, and four cosmetics.

None of the officinal drugs were found to be adulterated.

The places at which the samples were obtained were, Boston, Cambridge, Chelsea, Fall River, Worcester, Newton, Somerville, Gloucester, Springfield, Taunton, Chicopee, Quincy, Lowell, Lynn, Holyoke, Pittsfield, North Adams, Lexington, Hyde Park, Weston, Westfield and Greenfield.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 24, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 24, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week. hut the discrepancy is a slight one iu most cases. The mortality report will in future be puhlished weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhahitants. A monthly report will also he issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be seut to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	446,507	195	54	16	33	3	2	4
Worcester,	84,536	18	7	..	6	..	..	..
Lowell,	77,605	31	10	7	6	3	2	1
Fall River,	74,351	23	8	..	4	..	..	..
Cambridge,	69,837	24	2	3	1	..	2	..
Lynn,	55,684	15	2	1	1	..	..	1
Lawrence,	44,559	26	8	8	2	..	7	..
Springfield,	44,164	26	8	3	7	..	1	2
New Bedford,	40,705	14	5	..	3	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	8	1	1	..	..	..	..
Chelsea,	27,850	13	6	..	4	..	..	..
Haverhill,	27,322	7	3	..	3	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	3	1	..	2	..	..	..
Newton,	24,375	6	0	1	1	..	..	..
Malden,	22,984	4	3	..	1	..	..	..
Fitchburg,	22,007	9	3	..	..	..	..	..
Gloucester,	21,262	2	1	..	..	..	..	..
Waltham,	18,522	4	1	..	..	..	..	..
Pittsfield,	17,252	3	0	..	..	..	..	..
Quincy,	16,711	7	2	..	..	..	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	4	1	2	..	..	1	1
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	..	..	..	..	..	..	..
Medford,	11,052	5	1	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	..	..	..	..	..	..	..
Hyde Park,	10,200	1	1	..	1	..	..	..
Peabody,	10,123	5	2	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,237,646	443	130	42	75	6	15	9

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-two deaths were reported from the principal infectious diseases: typhoid fever, 15; diphtheria and croup, 9; diarrhœal diseases, 6; measles, scarlet-fever and cerebro-spinal meningitis, 3 each; erysipelas, 2; whooping-cough, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 75 deaths from acute lung diseases; consumption, 57; and still-births, 35.

From measles: Boston, 2; Lawrence, 1. From scarlet-fever: Boston, Cambridge and Newton, 1 each. From cerebro-spinal meningitis: Boston, 3. From erysipelas: Boston and Salem, 1 each. From whooping-cough: Lowell, 1.

Deaths from the principal infectious diseases numbered 42 against 68 for the preceding week.

Deaths under five years of age numbered 130 against 165 for the preceding week.

Cases reported in Boston: measles, 90; scarlet-fever, 24; diphtheria, 16; and typhoid fever, 10.

The death-rates for the week were: Boston, 22.71; Worcester, 11.07; Lowell, 20.77: Fall River, 16.08; Cambridge, 17.87; Lynn, 14.01; Lawrence, 30.34; Springfield, 30.61; New Bedford, 17.88; Somerville, ——; Holyoke, ——; Salem, 13.52; Chelsea, 24.26; Haverhill, 13.32; Brockton, ——; Taunton, 6.14; Newton, 12.84; Malden, 9.04; Fitchburg, 21.27; Gloucester, 4.89; Waltham, 11.22; Pittsfield, 9.04; Quincy, 21.77; Northampton, ——; Chicopee, ——; Newburyport, 14.92; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 18.29 against 21.37 and 20.08 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 24, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 18,	29.94	32.0	34.0	30.0	57	90	74.0	N.	N.	4	7	O.	O.		0.67
Monday, 19,	30.08	24.0	28.0	21.0	88	94	91.0	N.	N.	12	5	O.	O.		0.00
Tuesday, 20,	30.03	30.0	36.0	24.0	85	79	81.0	N.W.	W.	5	7	O.	C.		0.60
Wednes'y, 21,	30.08	35.0	43.0	27.0	85	92	85.0	S. W.	S.	4	12	O.	O.		0.00
Thursday, 22,	29.66	46.0	56.0	36.0	100	93	96.0	N.	S.W.	8	24	R.	O.		0.51
Friday, 23,	30.00	40.0	46.0	36.0	75	71	73.0	S. W.	W.	24	12	C.	F.		0.00
Saturday, 24,	30.17	41.0	49.0	34.0	77	83	80.0	S. W.	S.	10	5	C.	C.		0.00
Week, - -	29.99		42.0	29.0			83.0								1.18

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 31, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 31, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	446,507	181	56	12	47	3	..	4
Worcester,	84,536	26	10	2	2	1	..	1
Lowell,	77,605	41	11	6	3	2	3	..
Fall River,	74,351	21	7	1	2	..	..	1
Cambridge,	69,837	23	10	..	5	..	..	..
Lynn,	55,684	15	6	2	1	..	..	..
Lawrence,	44,559	19	4	5	1	3	2	..
Springfield,	44,164	12	3	2	1	..	..	1
New Bedford,	40,705	9	1	1	1	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	9	1	..	..	..	..	..
Chelsea,	27,850	8	3	..	..	..	..	..
Haverhill,	27,322	8	1	..	1	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	7	4	1	2	..	..	1
Newton,	24,375	7	1	..	1	..	..	..
Malden,	22,984	4	3	1	..	..	..	1
Fitchburg,	22,007	4	0	..	..	..	..	..
Gloucester,	21,262	8	1	..	..	..	..	..
Waltham,	18,522	4	1	..	..	..	..	..
Pittsfield,	17,252	5	1	..	1	..	..	..
Quincy,	16,711	5	1	..	..	..	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	9	0	..	..	..	..	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	..	..	..	..	..	..	..
Medford,	11,052	2	0	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	..	..	..	..	..	..	..
Hyde Park,	10,200	2	0	..	1	..	..	..
Peabody,	10,123	1	0	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,350,831	430	125	33	69	9	5	9

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-three deaths were reported from the principal infectious diseases: diarrhœal diseases, 9; diphtheria and croup, 9; typhoid fever, 5; whooping-cough, 3; cerebro-spinal meningitis, 2; erysipelas, 2; measles, 1; scarlet-fever, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fevers.

They were 69 deaths from acute lung diseases; consumption, 54; and still-births, 33.

From whooping-cough: Boston, Springfield and New Bedford, 1 each. From cerebro-spinal meningitis: Boston and Lynn, 1 each. From erysipelas: Boston, 2. From measles: Boston, 1. From scarlet-fever: Lynn, 1.

Deaths from the principal infections diseases numbered 33 against 42 for the preceding week.

Deaths under five years of age numbered 125 against 130 for the preceding week.

Cases reported in Boston: measles, 98; scarlet-fever, 35; diphtheria, 16; and typhoid fever, 2.

The death-rates for the week were: Boston, 21.08; Worcester, 15.99; Lowell, 27.47; Fall River, 14.68; Cambridge, 17.12; Lynn, 14.01; Lawrence, 22.17; Springfield, 14.12; New Bedford, 11.49; Somerville, ——; Holyoke, ——; Salem, 15.21; Chelsea, 14.93; Haverhill, 15.22; Brockton, ——; Taunton, 14.33; Newton, 14.98; Malden, 9.04; Fitchburg, 9.45; Gloucester, 19.56; Waltham, 11.22; Pittsfield, 9.03; Quincy, 15.55; Northampton, ——; Chicopee, ——; Newburyport, 33.57; Marlborough, ——; Woburn, ——.

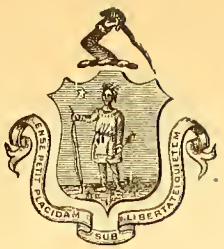
The total death-rate for the week was 16.55 against 18.29 and 21.37 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 31, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 25,	29.69	31.0	33.0	29.0	100	80	90.0	N. E.	W.	24	7	S.	C.		0.35
Monday, 26,	30.03	31.0	38.0	25.0	83	85	84.0	W.	S.W.	8	8	O.	C.		0.00
Tuesday, 27,	30.14	30.0	35.0	25.0	80	89	84.0	N.W.	N. E.	3	3	S.	O.		0.01
Wednes'y, 28,	30.28	34.0	44.0	24.0	89	92	90.0	N. W.	N.	7	2	O.	O.		0.00
Thursday, 29,	30.05	35.0	38.0	33.0	100	100	100.0	S.	E.	4	6	S.	R.		0.14
Friday, 30,	29.75	41.0	49.0	34.0	84	79	81.0	S. W.	W.	16	24	C.	C.		0.02
Saturday, 31,	30.18	35.0	40.0	31.0	71	77	74.0	W.	S.	7	12	O.	R.		T.
Week, - -	30.02		39.0	29.0			86.0								

* O., Cloudy; C., Clear; F.. Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 7, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 7, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	446,507	168	60	8	41	..	1	1
Worcester,	84,536	54	7	2	3	..	..	1
Lowell,	77,605	49	17	5	6	2	3	..
Fall River,	74,351	36	10	1	4	..	..	..
Cambridge,	69,837	24	10	2	2	1	..	..
Lynn,	55,684	18	5	2	3	..	1	..
Lawrence,	44,559	17	6	2	3	..	2	..
Springfield,	44,164	16	3	1	1	..	..	..
New Bedford,	40,705	13	9	2	2	..	..	1
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	7	0	..	1	..	..	..
Chelsea,	27,850	9	3	..	1	..	..	..
Haverhill,	27,322	14	7	1	3	..	..	1
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	4	1	1	..	..	..	..
Newton,	24,375	6	2	1	2	..	..	1
Malden,	22,984	2	1	..	..	..	..	..
Fitchburg,	22,007	4	2	..	..	..	..	..
Gloucester,	21,262	4	2	..	..	..	..	..
Waltham,	18,522	7	1	1	..	..	..	..
Pittsfield,	17,252	2	0	1	..	..	..	..
Quincy,	16,711	7	1	1	1	..	1	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	8	3	2	..	..	..	2
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	..	..	..	..	..	..	..
Medford,	11,052	..	..	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	5	0	1	..	1	..	..
Hyde Park,	10,200	0	0	..	..	..	..	..
Peabody,	10,123	4	0	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,236,973	458	150	34	73	4	8	7

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-four deaths were reported from the principal infectious diseases: typhoid fever, 8; diphtheria and croup, 7; erysipelas, 4; diarrhœal diseases, 4; scarlet-fever, 3; cerebro-spinal meningitis, 3; whooping-cough, 3; measles, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fevers.

There were 73 deaths from acute lung diseases; consumption, 59; and still-births, 24.

From erysipelas: Boston, 2; Lynn and Waltham, 1 each. From scarlet-fever: Boston, Fall River and New Bedford, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Taunton, 1 each. From whooping-cough: Boston, 2; Pittsfield, 1. From measles: Cambridge, 1. From puerperal fever: Quincy, 1.

Deaths from the principal infectious diseases numbered 34 against 33 for the preceding week.

Deaths under five years of age numbered 150 against 125 for the preceding week.

Cases reported in Boston: measles, 139; scarlet-fever, 24; diphtheria, 20; and typhoid fever, 5.

The death-rates for the week were: Boston, 19.57; Worcester, 20.91; Lowell, 32.83: Fall River, 25.17; Cambridge, 17.87; Lynn, 16.81; Lawrence, 19.83; Springfield, 18.83; New Bedford, 16.60; Somerville, ——; Holyoke, ——; Salem, 11.84; Chelsea, 16.80; Haverhill, 26.64; Brockton, ——; Taunton, 8.19; Gloucester, 9.78; Newton, 12.84; Malden, 4.52; Fitchburg, 9.45; Waltham, 19.64; Pittsfield, 6.02; Quincy, 21.77; Northampton, ——; Chicopee, ——; Newburyport, 29.84: Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.25 against 16.55 and 18.29 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 7, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.68	42.0	51.0	34.0	96	88	92.0	W.	W.	11	11	O.	C.		0.28
Monday, 2,	30.18	37.0	42.0	32.0	74	70	72.0	W.	W.	17	7	C.	C.		0.00
Tuesday, 3,	29.66	39.0	52.0	28.0	91	89	90.0	S.	S.	14	27	O.	O.		0.38
Wednes'y, 4,	30.05	17.0	22.0	12.0	65	74	69.0	W.	W.	25	21	C.	C.		0.00
Thursday, 5,	30.54	15.0	28.0	2.0	72	66	69.0	W.	S. W.	7	20	C.	C.		0.00
Friday, 6,	30.10	36.0	45.0	27.0	95	92	93.5	S. W.	S. W.	8	8	N.	F.		0.13
Saturday, 7,	30.01	35.0	40.0	30.0	80	52	66.	N. E.	N. E.	6	29	C.	S.		0.02
Week, - -	30.03		40.0	23.0			79.0								

* O., Cloudy: C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 21 smaller towns of Massachusetts, as reported to the State Board of Health for the month of January.

The total death-rate of reporting towns for the month was 13.55.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Diphtheria and Croup.	Cerebro-Spinal Meningitis.
Stoneham,	6,155	4	0	..	2	..	..	..
Middleborough,	6,065	5	0	..	1	..	..	..
Westborough,	5,195	3	0	..	..	..	..	..
Hudson,	4,670	5	3	..	..	..	..	..
Great Barrington,	4,612	5	0	2	1	..	1	1
Hingham,	4,564	8	1	..	..	1	..	..
Easton,	4,493	6	1	1	..	..	1	..
Concord,	4,427	3	1	..	1	1	..	..
Williamstown,	4,221	6	1	..	1	..	..	..
Randolph,	3,946	2	0	..	..	..	..	..
Dalton,	2,885	8	0	..	2	1	..	..
Merrimac,	2,633	6	0	..	2	..	..	..
Cohasset,	2,448	3	0	..	..	1	..	..
Groton,	2,057	2	0	..	..	..	..	..
Conway,	1,451	5	0	..	..	..	..	..
Shrewsbury,	1,449	2	0	..	..	..	..	..
Topsfield,	1,022	2	0	..	..	..	..	..
Truro,	919	1	0	..	..	..	..	..
Russell,	879	2	0	..	..	1	..	..
Burlington,	617	1	0	..	..	..	..	..
Wendell,	505	3	0	1	..	..	..	1
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		..	..	..	..	..	..	..
Total of reporting towns,	65,213	82	7	4	10	5	2	2

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 14, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 14, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	446,507	156	38	7	35	2	..	4
Worcester,	84,536	22	9	2	4	1	..	..
Lowell,	77,605	45	23	7	10	3	4	..
Fall River,	74,351	24	7	3	1	..	..	2
Cambridge,	69,837	19	10	..	3	..	..	..
Lynn,	55,684	16	2	2	3	..	..	1
Lawrence,	44,559	22	4	5	3	1	4	..
Springfield,	44,164	16	5	3	2	..	..	..
New Bedford,	40,705	12	1	..	..	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	13	1	1	2	..	..	..
Chelsea,	27,850	13	4	..	5	..	..	..
Haverhill,	27,322	14	6	..	5	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	9	2	1	..	..	..	1
Newton,	24,375	5	..	1	..	..	..	..
Malden,	22,984	7	1	1	..	..	1	..
Fitchburg,	22,007	5	3	..	1	..	..	..
Gloucester,	21,262	5	1	..	..	..	..	..
Waltham,	18,522	4	..	..	..	..	..	..
Pittsfield,	17,252	..	..	..	..	..	..	..
Quincy,	16,711	5	2	1	1	..	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	6	..	..	..	..	..	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	4	..	..	1	..	..	..
Medford,	11,052	..	..	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	2	1	..	..	..	..	..
Hyde Park,	10,200	..	..	..	..	..	..	..
Peabody,	10,123	2	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,221,579	426	120	33	76	7	9	8

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-three deaths were reported from the principal infectious diseases: typhoid fever, 9; diphtheria and croup, 8; diarrhœal diseases, 7; scarlet-fever, 3; whooping-cough, 3; cerebro-spinal meningitis, 1; meningitis, 2.

No deaths were reported from small-pox and malarial fevers.

There were 76 deaths from acute lung diseases; consumption, 55; and still-births, 35.

From typhoid-fever: Lowell and Lawrence, 4 each; Malden, 1. From diphtheria and croup: Boston, 4; Fall River, 2; Taunton and Lynn, 1 each. From diarrhœal diseases: Lowell, 3; Boston, 2; Lawrence and Worcester, 1 each. From scarlet-fever: Boston, Fall River and Springfield, 1 each. From whooping-cough: Springfield, 2; Worcester, 1. From cerebro-spinal meningitis: Lynn, 1. Meningitis: Newton and Salem, 1 each.

Deaths from the principal infectious diseases numbered 33 against 34 for the preceding week.

Deaths under five years of age numbered 120 against 150 for the preceding week.

Cases reported in Boston: measles, 112; scarlatina, 23; diphtheria, 16; and typhoid fever, 8.

The death-rates for the week were: Boston, 18.17; Worcester, 13.53; Lowell, 30.15; Fall River, 16.78; Cambridge, 14.14; Lynn, 14.94; Lawrence, 25.67; Springfield, 18.83; New Bedford, 15.33; Somerville, ——; Holyoke, ——; Salem, 21.98; Chelsea, 24.27; Haverhill, 26.64; Brockton, ——; Taunton, 18.43; Gloucester, 12.22; Newton, 10.70; Malden, 15.83; Fitchburg, 11.82; Waltham, 11.22; Pittsfield, ——; Quincy, 15.55; Northampton, ——; Chicopee, ——; Newburyport, 22.38: Marlborough, ——; Woburn, ——.

The total death-rate for the week was 18.21 against 19.25 and 16.55 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 14, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	30.16	26.0	30.0	21.0	100	93	97.0	N.	W.	12	6	S.	C.		0.30
Monday, 9,	30.26	24.0	33.0	15.0	94	100	97.0	N. W.	S. E.	6	12	O.	R.		0.20
Tuesday, 10,	29.72	38.0	43.0	32.0	100	70	85.0	W.	W.	8	18	R.	C.		0.47
Wednes'y, 11,	30.23	28.0	33.0	22.0	74	56	65.0	W.	N. W.	12	7	C.	C.		0.00
Thursday, 12,	30.24	30.0	38.0	21.0	82	82	82.0	W.	S. W.	2	6	O.	O.		0.00
Friday, 13,	30.07	32.0	37.0	27.0	84	86	85.0	N. W.	S. W.	9	5	O.	C.		0.00
Saturday, 14,	30.49	16.0	20.0	12.0	60	63	61.0	N.	N. W.	18	24	C.	C.		0.00
Week, - -	30.17		33.4	21.4			81.7								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 21, 1891.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of January.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 21, 1891.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	446,507	184	61	11	43	2	1	3
Worcester,	84,536	20	9	2	1	1	..	..
Lowell,	77,605	30	12	7	6	..	5	1
Fall River,	74,351	23	6	..	3	..	..	..
Cambridge,	69,837	24	9	2	4	..	..	..
Lynn,	55,684	..	..	..	..	..	..	..
Lawrence,	44,559	24	9	4	1	1	1	1
Springfield,	44,164	17	4	3	3	..	..	..
New Bedford,	40,705	15	3	..	2	..	..	..
Somerville,	40,117	..	..	..	..	..	..	..
Holyoke,	35,528	..	..	..	..	..	..	..
Salem,	30,735	..	..	..	..	..	..	..
Chelsea,	27,850	9	3	..	2	..	..	..
Haverhill,	27,322	9	2	..	2	..	..	..
Brockton,	27,278	..	..	..	..	..	..	..
Taunton,	25,389	..	..	..	..	..	..	..
Newton,	24,375	4	0	1	..	..	..	..
Malden,	22,984	8	1	..	1	..	..	..
Fitchburg,	22,007	8	3	2	1	..	..	1
Gloucester,	21,262	7	1	1	..	..	..	..
Waltham,	18,522	7	2	1	..	..	..	..
Pittsfield,	17,252	6	0	2	3	..	..	1
Quincy,	16,711	5	..	..	..	..	..	..
North Adams,	16,067	..	..	..	..	..	..	..
Northampton,	14,961	..	..	..	..	..	..	..
Chicopee,	14,007	..	..	..	..	..	..	..
Newburyport,	13,914	5	..	..	..	..	..	..
Marlborough,	13,788	..	..	..	..	..	..	..
Woburn,	13,491	..	..	..	..	..	..	..
Brookline,	12,076	..	..	..	..	..	..	..
Medford,	11,052	..	..	..	..	..	..	..
Everett,	11,040	..	..	..	..	..	..	..
Weymouth,	10,843	..	..	..	..	..	..	..
Beverly,	10,795	..	..	..	..	..	..	..
Clinton,	10,379	5	1	..	2	..	..	..
Hyde Park,	10,200	..	..	..	..	..	..	..
Peabody,	10,123	1	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,114,947	411	126	36	74	4	7	7

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-six deaths were reported from the principal infectious diseases: typhoid fever, 7; diphtheria and croup, 7; measles, 5; scarlet-fever, 5; diarrhœal diseases, 4; erysipelas, 4; cerebro-spinal meningitis, 3; whooping-cough, 1.

No deaths were reported from small-pox and one from relapsing fever.

There were 74 deaths from acute lung diseases; consumption, 41; and still-births, 26.

From typhoid fever: Lowell, 5; Boston and Lawrence, 1 each. From diphtheria and croup: Boston, 3; Fitchburg, Lawrence, Lowell and Pittsfield, 1 each. From scarlet-fever: Boston, 2; Lawrence, Springfield and Pittsfield, 1 each. From measles: Fitchburg, Lowell, Springfield, Waltham and Worcester, 1 each. From erysipelas: Boston, 2; Cambridge and Newton, 1 each. From cerebro-spinal meningitis: Boston, Gloucester and Springfield, 1 each. From whooping-cough: Cambridge, 1.

Deaths from the principal infectious diseases numbered 36 against 33 for the preceding week.

Deaths under five years of age numbered 126 against 120 for the preceding week.

Cases reported in Boston: measles, 140; scarlatina, 26; diphtheria, 13; and typhoid fever, 3.

The death-rates for the week were: Boston, 21.49; Worcester, 12.34; Lowell, 20.17; Fall River, 16.13; Cambridge, 17.92; Lynn, ——; Lawrence, 28.09; Springfield, 20.08; New Bedford, 21.68; Somerville, ——; Holyoke, ——; Salem, ——; Chelsea, 16.82; Haverhill, 17.18; Brockton, ——; Taunton, ——; Gloucester, 17.18; Newton, 8.57; Malden, 18.16; Fitchburg, 18.96; Waltham, 19.71; Pittsfield, 18.14; Quincy, 15.60; Northampton, ——; Chicopee, ——; Newburyport, 18.74; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.25 against 19.25 and —— for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 21, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.52	19.0	33.0	4.0	56	75	66.0	N. W.	S. W.	6	18	C.	O.		0.00
Monday, 16,	29.76	42.0	50.0	33.0	92	86	89.0	S. W.	S. W.	24	12	R.	O.		Trace.
Tuesday, 17,	29.70	42.0	50.0	34.0	93	100	97.0	W.	N. E.	7	20	O.	R.		0.25
Wednes'y, 18,	29.76	40.0	48.0	33.0	96	53	75.0	W.	W.	10	24	O.	C.		0.15
Thursday, 19,	30.50	27.0	33.0	22.0	44	46	46.0	W.	N. W.	9	12	C.	C.		0.60
Friday, 20,	30.39	26.0	32.0	20.0	65	83	83.0	W.	E.	3	16	O.	R.		0.29
Saturday, 21,	29.73	38.0	44.0	32.0	100	98	98.0	S.	W.	6	7	O.	O.		0.21
Week, - -	30.05		41.4	25.4			79.1								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	111	106	217	Maple Syrup,	..	2	2
Butter,	9	7	16	Canned Goods,	..	..	..
Cheese,	2	..	2	Honey,	2	2	4
Lard,	5	2	7	Tea,	5	..	5
Olive Oil,	..	..	..	Coffee,	2	3	5
Vinegar,	..	..	..	Cocoa,	..	..	..
Spices,	56	9	65	Confectionery,	2	..	2
Cream of Tartar,	31	5	36	Other articles of Food and Drinks,	8	..	8
Molasses,	2	1	3	Drugs,	20	7	27
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	255	144	399

Percentage of adulteration, 36.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk below the standard was 49 per cent., which was much greater than that of either of the three previous months. The percentage of other articles found to be adulterated was only 19.

Eight complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Two of these were for illegal sales of milk, two of cream-of-tartar, one of coffee, one of pepper, and two were for sales of cosmetics containing corrosive sublimate, etc., in violation of the Poison Act of 1888. These were Soule's Eradicator and Delisle's Royal Cream.

Only one of the samples of drugs examined was found to be adulterated, namely, a sample of Olive Oil.

The cities and towns in which samples were collected were Boston, Lowell, Cambridge, Fall River, Gloucester, Newton, Holyoke, Adams, Ashland, Framingham, Marlborough, Natick, Stoneham, Hyde Park, Sudbury, Clinton, Dedham, Lancaster, Brookline, Revere.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 28, 1891,

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 28, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,447	189	59	11	50	5	1	1
Worcester,	84,655	22	12	1	4	1	..	..
Lowell,	77,696	49	15	8	6	..	5	1
Fall River,	74,398	21	7	..	8	..	..	..
Cambridge,	70,028	33	11	3	3	..	..	1
Lynn,	55,727	17	6	3	1	1	..	1
Lawrence,	44,654	15	2	5	..	1	4	..
Springfield,	44,179	18	4	1	5	..	..	..
New Bedford,	40,733	21	8	..	5	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	3	1	3	..	..	..
Chelsea,	27,909	..	..	..	..	..	..	..
Haverhill,	27,412	5	1	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	5	3	..	..	..	..	..
Gloucester,	24,651	4	1	..	..	..	..	..
Newton,	24,379	4	1	..	1	..	..	..
Malden,	23,031	7	3	..	2	..	..	..
Fitchburg,	22,037	4	1	1	..	1	..	..
Waltham,	18,707	6	4	2	..	..	..	..
Pittsfield,	17,281	6	1	..	3	..	..	..
Quincy,	16,723	4	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newhuryport,	13,947	3	1	..	1	..	..	..
Marlhorough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	5	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,195,119	448	36	36	93	9	10	4

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-six deaths were reported from the principal infectious diseases: typhoid fever, 10; diphtheria and croup, 9; measles, 4; scarlet-fever, 3; cerebro-spinal meningitis, 3; erysipelas, 3; whooping-cough, 2; diarrhœal diseases and puerperal fever, 1 each.

No deaths were reported from small-pox and malarial fever.

There were 93 deaths from acute lung diseases; consumption, 49; and still-births, 41.

From typhoid fever: Lowell, 5; Lawrence, 4; Boston, 1. From diphtheria and croup: Boston, 5; Worcester, Lynn, Lawrence and Fitchburg, 1 each. From measles: Boston, Lowell, Cambridge and Lynn, 1 each. From scarlet-fever: Boston, 2; Springfield, 1. From cerebro-spinal meningitis: Lynn, Salem and Waltham, 1 each. From erysipelas: Boston, Lowell and Waltham, 1 each. From whooping-cough: Cambridge, 2. From diarrhœal diseases: Lowell, 1. From puerperal fever: Boston, 1.

One death from rabies was reported in Cambridge.

Deaths from the principal infectious diseases numbered 36, the same as the preceding week.

Deaths under five years of age numbered 144 against 126 for the preceding week.

Cases reported in Boston: measles, 88; scarlatina, 26; diphtheria, 19; and typhoid fever, 7.

The death-rates for the week were: Boston, 21.98; Worcester, 13.55; Lowell, 32.91; Fall River, 14.72; Cambridge, 24.58; Lynn, 15.91; Lawrence, 13.05; Springfield, 21.25; New Bedford, 26.89; Somerville, ——; Holyoke, ——; Salem, 16.93; Chelsea, ——; Haverhill, 9.52; Brockton, ——; Taunton, 10.25; Gloucester, 8.46; Newton, 8.56; Malden, 15.85; Fitchburg, 9.47; Waltham, 16.73; Pittsfield, 18.11; Quincy, 12.48; Northampton, ——; Chicopee, ——; Newburyport, 11.22; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.55 against 19.25 and 18.21 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 28, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	29.93	34.0	40.0	28.0	82	52	67.0	W.	W.	12	20	C.	C.		0.06
Monday, 23,	30.54	24.0	30.0	18.0	65	72	69.0	N. W.	S.	6	15	C.	C.		0.00
Tuesday, 24,	30.28	42.0	56.0	27.0	78	89	83.0	S. W.	S.	12	12	C.	O.		0.00
Wednes'y, 25,	29.66	54.0	62.0	46.0	84	94	89.0	S.	S.	18	22	O.	R.		0.02
Thursday, 26,	29.46	41.0	46.0	38.0	92	95	93.0	N. W.	N. E.	10	15	R.	S.		0.66
Friday, 27,	29.83	26.0	31.0	22.0	94	54	74.0	N. W.	W.	24	18	S.	C.		0.24
Saturday, 28,	30.36	20.0	37.0	17.0	65	95	80.0	S. W.	S.	9	12	C.	S.		Trace.
Week, - -	30.01		43.1	28.0			79.3								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threateniug; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, March 7, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending March 7, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	448,447	201	67	18	37	5	3	2
Worcester,	84,655	28	9	3	3	1	..	1
Lowell,	77,696	42	19	5	10	..	1	2
Fall River,	74,398	25	5	1	2	1	..	..
Cambridge,	70,028	25	6	2	5	..	1	..
Lynn,	55,727	..	..	..	..	..	..	..
Lawrence,	44,654	20	7	1	4	1	..	..
Springfield,	44,179	9	2	..	1	..	..	..
New Bedford,	40,733	7	0	..	1	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	..	..	..	..	..	..	..
Chelsea,	27,909	16	4	..	3	..	..	..
Haverhill,	27,412	15	3	..	2	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	5	1	..	..	..	..	..
Newton,	24,379	7	0	3	1	..	1	..
Malden,	23,031	7	0	1	2	..	1	..
Fitchburg,	22,037	8	2	1	1	1	..	..
Waltham,	18,707	8	1	..	3	..	..	..
Pittsfield,	17,281	2	0	..	1	..	..	..
Quincy,	16,723	6	1	..	2	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	0	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	0	0	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	7	0	..	4	..	..	..
Hyde Park,	10,193	1	0	1	..	..	..	1
Peabody,	10,158	4	1	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Diarrhœal Diseases.
Total of reporting towns,	1,143,775	445	128	36	82	9	7	6

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 9; typhoid fever, 7; diarrhœal diseases, 6; scarlet-fever, 4; erysipelas, 4; measles, 2; whooping-cough, 2; cerebro-spinal meningitis and puerperal fever, 1 each.

No deaths were reported from small-pox and malarial fevers.

There were 82 deaths from acute lung diseases; consumption, 55; and still-births, 32.

From scarlet-fever: Boston, Lowell, Cambridge and Worcester, 1 each. From erysipelas: Boston and Newton, 2 each. From measles: Boston, 2. From whooping-cough: Boston, 2. From cerebro-spinal meningitis: Boston, 1. From puerperal fever: Lowell, 1.

Deaths from the principal infectious diseases numbered 36, the same as the preceding week.

Deaths under five years of age numbered 128 against 144 for the preceding week.

Cases reported in Boston: measles, 107; scarlatina, 24; diphtheria, 14; typhoid fever, 12.

The death-rates for the week were: Boston, 23.38; Worcester, 17.25; Lowell, 28.20; Fall River, 17.53; Cambridge, 18.62; Lynn, ——; Lawrence, 23.36; Springfield, 10.62; New Bedford, 8.96; Somerville, ——; Holyoke, ——; Salem, ——; Chelsea, 29.91; Haverhill, 28.54; Brockton, ——; Taunton, ——; Gloucester, 10.58; Newton, 14.98; Malden, 15.85; Fitchburg, 18.94; Waltham, 22.31; Pittsfield, 6.03; Quincy, 18.71; Northampton, ——; Chicopee, ——; Newburyport, 7.48; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.31 against 19.55 and 19.25 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 7, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	30.44	20.0	24.0	16.0	59	53	56.0	N. W.	N. W.	16	9	O.	C.		0.12
Monday, 2,	30.53	11.0	18.0	3.0	81	40	65.0	N.	N. E.	14	Lt.	C.	C.		0.00
Tuesday, 3,	30.30	21.0	30.0	12.0	72	78	75.0	N.	N. E.	10	24	S.	S.		0.02
Wednes'y, 4,	29.80	25.0	33.0	18.0	100	100	100.0	E.	N. E.	25	23	S.	S.		2.05
Thursday, 5,	29.92	23.0	30.0	17.0	79	63	71.0	W.	N. W.	13	19	C.	C.		0.08
Friday, 6,	30.06	27.0	37.0	18.0	73	61	67.0	W.	W.	19	9	C.	O.		0.00
Saturday, 7,	30.09	34.0	42.0	25.0	61	47	54.0	N. W.	W.	6	14	O.	C.		0.00
Week, - -	30.16		30.5	15.5			69.7								2.27

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 20 smaller towns of Massachusetts, as reported to the State Board of Health for the month of February.

The total death-rate of reporting towns for the month was 13.60.

TOWNS.	ESTIMATED POPULATION.	Reported Deaths in each.	Deaths under five years of age.	DEATHS FROM Infectious Diseases.	DEATHS FROM Acute Lung Diseases.	DEATHS FROM Consumption.	DEATHS FROM Diphtheria and Croup.
Stoneham, ...	6,035	4	..	..	1	..	..
Middleborough, ...	5,233	4	..	..	1	1	..
Westborough, ...	5,195	4	..	..	..	..	..
Great Barrington, . . .	4,612	2	..	..	..	..	..
Concord, ...	4,457	5	..	..	..	..	..
Easton, ...	4,439	5	2	2	..	2	2
Hingham, ...	4,375	4	1	..	2	..	..
Williamstown, ...	4,221	3	..	..	1	..	..
Hudson, ...	4,185	4	1	..	..	1	..
Randolph, ...	3,807	3	..	..	..	2	..
Wrentham, ...	2,892	2	..	..	1	..	..
Merrimac, ...	2,492	3	..	..	2	..	..
Dalton, ...	2,325	1	..	..	..	..	..
Groton, ...	2,037	1	..	..	..	..	..
Norton, ...	1,785	2	..	..	1	1	..
Conway, ...	1,573	2	..	..	..	..	..
Topsfield, ...	1,141	2	1	..	1	1	..
Truro, ...	972	2	..	..	1	..	..
Heath, ...	575	1	..	..	..	..	..
Wendell, ...	545	1	..	..	..	..	..
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Total of reporting towns, . .	62,950	55	5	2	11	8	2

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 14, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending March 14, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Diarrhœal Diseases.
Boston,	448,447	193	39	10	39	2	2	4
Worcester,	84,655	24	7	..	7	..	..	..
Lowell,	77,696	47	16	8	5	3	..	2
Fall River,	74,398	33	10	2	9	..	1	..
Cambridge,	70,028	26	4	..	6	..	..	..
Lynn,	55,727	17	2	..	2	..	..	..
Lawrence,	44,654	18	4	4	3	1	..	3
Springfield,	44,179	8	1	1	2	1	..	..
New Bedford,	40,733	9	7	1	2	..	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	13	3	1	1	..	..	1
Chelsea,	27,909	12	7	..	4	..	..	..
Haverhill,	27,412	6	2	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	2	1	..	..	..	..	..
Newton,	24,379	5	2	1	1	..	1	..
Malden,	23,031	9	3	..	..	..	..	..
Fitchburg,	22,037	9	2	..	1	..	..	..
Waltham,	18,707	4	1	1	..	..	..	..
Pittsfield,	17,281	1	1	..	..	..	..	..
Quincy,	16,723	4	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	3	..	1	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	0	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	4	1	..	4	..	..	..
Hyde Park,	10,193	3	1	..	1	..	..	..
Peabody,	10,158	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Diarrhœal Diseases.
Total of reporting towns,	1,229,279	454	118	29	89	7	5	10

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Twenty-uine deaths were reported from the principal iufectious diseases: diarrhœal diseases, 10; typhoid fever, 7; diphtheria and croup, 5; measles, 2; whooping-cough, 2; cerebro-spinal meningitis, erysipelas and puerperal fever, 1 each.

No deaths were reported from small-pox, scarlet-fever aud malarial fevers.

There were 89 deaths from acute lung diseases; consumption, 60; and still-births, 36.

From measles: Lowell, 2. From whooping-cough: Lowell and Waltham, 1 each. From cerebro-spinal meningitis: Boston, 1. From erysipelas: Bostou, 1. From puerperal fever: Fall River, 1.

Deaths from the principal infectious diseases number 29, against 36 for the preceding week.

Deaths under five years of age numbered 118 against 128 for the preceding week.

Cases reported in Boston: measles, 113; scarlatina, 19; diphtheria, 7; typhoid fever, 7.

The death-rates for the week were: Boston, 22.45; Worcester, 14.79; Lowell, 31.55; Fall River, 23.14; Cambridge, 19.36; Lynn, 15.91; Lawrence, 21.03; Springfield, 9.44; New Bedford, 11.52; Somerville, ——; Holyoke, ——; Salem, 22.01; Chelsea, 22.43; Haverhill, 11.42; Brockton, ——; Taunton, ——; Gloucester, 4.23; Newton, 10.69; Malden, 20.39; Fitchburg, 21.30; Waltham, 11.15; Pittsfield, ——; Quincy, 12.47; Northampton, ——; Newburyport, 18.70; Chicopee, ——; Marlborough, ——; Woburn, ——.

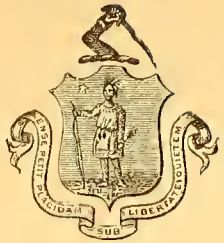
The total death-rate for the week was 19.27 against 20.31 and 19.55 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 14, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	30.16	34.0	44.0	24.0	66	73	69.0	W.	S. E.	9	4	C.	O.		0.00
Monday, 9,	30.14	36.0	39.0	34.0	91	96	94.0	E.	E.	15	24	O.	R.		0.14
Tuesday, 10,	30.18	39.0	43.0	34.0	65	51	58.0	W.	W.	24	9	C.	C.		0.25
Wednes'y, 11,	30.44	39.0	49.0	30.0	51	74	63.0	W.	S. W.	3	10	C.	C.		0.00
Thursday, 12,	30.32	39.0	44.0	34.0	87	96	92.0	S.	S. E.	12	4	O.	R.		0.03
Friday, 13,	29.61	46.0	55.0	37.0	100	93	96.0	E.	S. W.	15	21	R.	R.		0.61
Saturday, 14,	29.77	33.0	38.0	29.0	63	73	68.0	S. W.	W.	27	24	C.	C.		0.02
Week, - -	30.08		44.5	31.7			77.1								1.05

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 21, 1891.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of February.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending March 21, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Diarrhœal Diseases.
Boston,	448,447	170	47	11	34	4	2	1
Worcester,	84,655	18	8	3	4	..	..	2
Lowell,	77,696	45	18	5	7	1	4	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	30	7	1	2	..	..	..
Lynn,	55,727	23	8	1	3	..	..	..
Lawrence,	44,654	15	3	1	2	..	..	..
Springfield,	44,179	16	5	..	2	..	..	..
New Bedford,	40,735	17	6	..	..	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	11	4	1	2	1	..	..
Chelsea,	27,909	6	1	1	3	1	..	..
Haverhill,	27,412	8	2	..	3	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	11	3	1	2	..	..	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	11	1	..	2	..	..	..
Malden,	23,031	8	3	..	..	..	..	..
Fitchburg,	22,037	8	2	1	1	..	..	..
Waltham,	18,707	8	1	1	..	..	..	..
Pittsfield,	17,281	5	1	1	1	..	1	..
Quincy,	16,723	8	2	1	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	3	2	1	1	..	..	1
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	0	..	1	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	1	0	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Cerebro Spinal meningitis.
Total of reporting towns,	1,135,058	426	124	30	71	7	7	4

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty deaths were reported from the principal infectious diseases: typhoid fever, 7; diphtheria and croup, 7; scarlet-fever, 4; cerebro-spinal meningitis, 4; measles, 3; whooping-cough, 2; diarrhœal diseases, 2; erysipelas, 1.

No deaths were reported from small-pox, puerperal fever or malarial fever.

There were 71 deaths from acute lung diseases; consumption, 48; and still-births, 33.

From scarlet-fever: Boston, 3; Taunton, 1. From measles: Waltham, Fitchburg and Quincy, 1 each. From whooping-cough: Cambridge and Lynn, 1 each. From diarrhœal diseases: Boston and Lawrence, 1 each. From erysipelas: Worcester, 1.

Deaths from the principal infections diseases numbered 30 against 29 for the preceding week.

Deaths under five years of age numbered 124 against 118 for the preceding week.

Cases reported in Boston: measles, 91; scarlatina, 22; diphtheria, 18; typhoid fever, 4.

The death-rates for the week were: Boston, 19.77; Worcester, 11.09; Lowell, 30.21; Fall River, ——; Cambridge, 22.34; Lynn, 21.53; Lawrence, 17.52; Springfield, 18.91; New Bedford, 21.77; Somerville, ——; Holyoke, ——; Salem, 18.63; Chelsea, 11.21; Haverhill, 15.22; Brockton, ——; Taunton, 22.55; Gloucester, ——; Newton, 23.53; Malden, 18.12; Fitchburg, 18.93; Waltham, 22.31; Pittsfield, 15.09; Quincy, 24.95; Northampton, ——; Chicopee, ——; Newburyport, 11.22; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.58 against 10.27 and 20.31 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL	
Week ending Saturday, Mar. 21, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.23	28.0	34.0	22.0	52	61	56.0	W.	S. W.	18	11	C.	O.		0.00
Monday, 16,	30.00	40.0	50.0	30.0	61	48	55.0	S. W.	W.	12	24	O.	C.		Trace.
Tuesday, 17,	30.22	23.0	31.0	14.0	53	34	44.0	N. W.	N. W.	22	7	C.	C.		0.00
Wednes'y, 18,	30.08	37.0	49.0	25.0	66	60	63.0	S.	S. W.	14	15	O.	F.		0.00
Thursday, 19,	30:25	32.0	33.0	31.0	100	74	87.0	N. E.	N. E.	12	16	S.	O.		0.03
Friday, 20,	30.37	32.0	34.0	30.0	76	90	83.0	N. E.	N. E.	24	26	O.	S.		Trace.
Saturday, 21,	29.98	36.0	40.0	32.0	100	100	100.0	N. E.	N. E.	30	42	R.	R.		1.25
Week, - -	30.16	38.7		26.3			69.7								1.28

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February: —

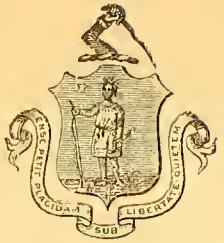
ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	111	102	213	Maple Syrup,	1	..	1
Butter,	8	8	16	Canned Goods,	..	..	..
Cheese,	1	..	1	Honey,	5	..	5
Lard,	2	..	2	Tea,	12	..	12
Olive Oil,	..	..	..	Coffee,	5	3	8
Vinegar,	..	..	..	Cocoa,	1	..	1
Spices,	60	22	82	Confectionery,	3	..	3
Cream of Tartar,	22	4	26	Other articles of Food and Drinks,	7	..	7
Molasses,	1	..	1	Drugs,	30	..	30
Syrups,	..	..	..				
Maple Sugar,	2	..	2				
				Totals,	271	139	410

Percentage of adulteration, 33.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The percentage of samples of milk found to be below the legal standard was 47.9. That of other articles was only 18.8; while all of the drugs examined were found to be pure.

Two complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. One was for the violation of the Milk laws, and another for sale of adulterated Cream of Tartar.

The places from which samples were collected were the following: Boston, Lowell, Worcester, Salem, Lawrence, Fitchburg, Cambridge, Chelsea, Somerville, Newton, Woburn, Pittsfield, North Andover, Weston, Concord, Waltham, Westfield and Westborough.



Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, March 28, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending March 28, 1891.

Deaths reported to the State Board of Health in 18 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	448,477	196	63	21	32	1	8	5
Worcester,	84,655	..	..	..	..	..	..	..
Lowell,	77,696	36	8	2	3	1	..	..
Fall River,	74,398	34	12	3	7	..	1	1
Cambridge,	70,028	17	3	..	2	..	..	..
Lynn,	55,727	..	..	..	..	..	..	..
Lawrence,	44,654	19	5	4	6	3	..	..
Springfield,	44,179	8	5	2	1	1	..	..
New Bedford,	40,733	..	..	..	..	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	8	1	2	1	..	1	..
Chelsea,	27,909	14	4	..	2	..	..	..
Haverhill,	27,412	..	..	..	..	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	2	0	1	..	..	1	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	11	2	1	2	1	..	..
Malden,	23,031	6	3	1	1	..	..	..
Fitchburg,	22,037	9	1	2	1	1	..	..
Waltham,	18,707	5	2	1	1	..	..	..
Pittsfield,	17,281	3	2	..	..	..	..	..
Quincy,	16,723	8	2	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	6	2	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	3	..	1	..	..	..	1
Peabody,	10,158	4	0	..	1	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.
Total of reporting towns,	1,000,043	389	115	41	60	11	7	8

DEATHS FROM PREVALENT DISEASES IN THE 18 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 11; typhoid fever, 8; scarlet-fever, 7; diarrhœal diseases, 7; measles, 4; cerebro-spinal-meningitis, 3; erysipelas, 1.

No deaths were reported from small-pox, whooping-cough, malarial fever and puerperal fever.

There were 60 deaths from acute lung diseases; consumption, 37; and still-births, 34.

From diarrhœal diseases: Boston 1; Lowell, Lawrence and New Bedford 1 each. From measles: Boston 2; Springfield and Waltham, 1 each. From cerebro-spinal-meningitis: Salem, Fitchburg and Malden, 1 each. From erysipelas: Boston, 1.

Deaths from the principal infectious diseases numbered 41 against 29 for the preceding week.

Deaths under five years of age numbered 115 against 118 for the preceding week.

Cases reported in Boston: measles, 117; scarlatina, 25; diphtheria, 16; typhoid fever, 6.

The death-rates for the week were: Boston, 22.73; Worcester, ——; Lowell, 24.15; Fall River, 23.84; Cambridge, 12.66; Lynn, ——; Lawrence, 22.18; Springfield, 9.44; New Bedford, ——; Somerville, ——; Holyoke, ——; Salem, 13.54; Chelsea, 26.15; Haverhill, ——; Brockton, ——; Taunton, 4.09; Gloucester, ——; Newton, 23.48; Malden, 13.58; Fitchburg, 21.29; Waltham, 13.93; Pittsfield, 9.05; Quincy, 24.94; Northampton, ——; Chicopee, ——; Newburyport, 22.43; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.28 against 19.27 and 19.58 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 28, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	29·84	40.0	44.0	35.0	100	100	100.0	E.	E.	9	12	C.	O.		0.29
Monday, 23,	30.10	41.0	45.0	38.0	100	100	100.0	N. E.	N. E.	13	12	G.	R.		0.02
Tuesday, 24,	30.19	39.0	43.0	35.0	96	96	96.0	N. E.	N. E.	12	4	O.	O.		0.02
Wednes'y, 25,	30.15	42.0	47.0	36.0	83	47	65.0	N. W.	N. W.	18	24	F.	C.		0.00
Thursday, 26,	30.36	33.0	39.0	26.0	73	53	63.0	N. W.	N. W.	18	12	C.	C.		0.00
Friday, 27,	30.24	35.0	44.0	27.0	75	43	59.0	N. W.	S. W.	5	12	O.	C.		0.00
Saturday, 28,	29.91	37.0	43.0	32.0	47	70	59.0	N. E.	N.	12	12	O.	O.		0.00
Week, - -	30.11		43.5	32.7			77.4								0.33

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 4, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending April 4, 1891.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Measles.
Boston,	448,447	197	56	10	34	3	2	1
Worcester,	84,655	27	10	1	9	1	..	..
Lowell,	77,696	34	4	3	6	2	..	..
Fall River,	74,398	31	10	..	10	..	..	..
Cambridge,	70,028	27	5	..	5	..	..	..
Lynn,	55,727	13	4	..	5	..	..	..
Lawrence,	44,654	22	4	3	..	3	..	..
Springfield,	44,179	16	4	1	2	..	..	..
New Bedford,	40,733	24	7	1	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	1	..	..	..	..	..
Chelsea,	27,909	10	2	1	2	..	..	..
Haverhill,	27,412	13	3	1	3	..	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	1	..	4	..	..	..
Gloucester,	24,651	7	1	..	..	..	..	..
Newton,	24,379	8	2	..	2	..	..	..
Malden,	23,031	8	2	..	2	..	..	..
Fitchburg,	22,037	5	1	..	..	..	..	..
Waltham,	18,707	8	4	1	3	..	..	1
Pittsfield,	17,281	4	0	..	2	..	..	..
Quincy,	16,723	2	0	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	0	..	..	..	..	..
Marlborough,	13,808	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	7	0	..	1	..	..	..
Medford,	11,079	5	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	4	1	2	..	1	1	..
Hyde Park,	10,193	5	1	1	..	..	..	..
Peabody,	10,158	3	1	1	..	1	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Measles.
Total of reporting towns,	1,266,827	502	124	26	92	4	12	2

DEATHS FROM PREVALENT DISEASES IN THE 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Twenty-six deaths were reported from the principal infectious diseases: typhoid fever, 12; diphtheria and croup, 4; measles, scarlet-fever, cerebro-spinal-meningitis and diarrhœal diseases, 2 each; whooping-cough and erysipelas, each 1.

There were 92 deaths from acute lung diseases; consumption, 69; and still-births, 29.

From scarlet-fever: Boston and Chelsea, 1 each. From cerebro-spinal-meningitis: Boston and Hyde Park, 1 each. From diarrhœal diseases: Boston and Lowell, 1 each. From whooping-cough: Springfield, 1. From erysipelas: Boston, 1.

Deaths from the principal infectious diseases numbered 26 against 41 for the preceding week.

Deaths under five years of age numbered 124 against 115 for the preceding week.

Cases reported in Boston: measles, 85; scarlet-fever, 34; diphtheria, 11; typhoid fever, 5.

The death-rates for the week were: Boston, 22.84; Worcester, 16.57; Lowell. 22.74; Fall River, 21.66; Cambridge, 20.03; Lynn, 12.13; Lawrence, 25.61; Springfield, 18.83; New Bedford, 30.63; Somerville, ——; Holyoke. ——; Salem, 16.88; Chelsea, 18.63; Haverhill, 24.65; Brockton, ——; Taunton, 14.30; Gloucester, 14.74; Newton, 17.06; Malden, 18.06; Fitchburg, 11.79; Waltham, 22.23; Quincy, 6.21; Northampton, ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 21.39 against 20.28 and 19.27 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 4, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 29,	29.91	42.0	47.0	36.0	92	65	78.0	N.	N. W.	12	07	O.	F.		0.00
Monday, 30,	30.12	41.0	45.0	36.0	52	53	52.0	N. W.	E.	12	06	C.	C.		0.00
Tuesday, 31,	30.16	35.0	40.0	30.0	73	77	75.0	N. E.	S. E.	07	10	C.	C.		0.00
Wednes'y, 1,	30.15	37.0	43.0	32.0	82	75	78.0	N. E.	E.	07	11	C.	C.		0.00
Thursday, 2,	30.07	37.0	41.0	35.0	75	87	81.0	E.	E.	10	12	O.	O.		Trace.
Friday, 3,	29.14	40.0	45.0	34.0	100	79	90.0	E.	W.	30	14	R.	O.		0.01
Saturday, 4,	29.57	38.0	43.0	34.0	63	79	71.0	W.	N. W.	20	10	O.	O		0.00
Week, - -	29.88		42.0	34.0			75.0								0.00

* O., Clondy; C., Clear; F.. Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 22 smaller towns of Massachusetts, as reported to the State Board of Health for the month of March.

The total death-rate of reporting towns for the month was 12.68.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Typhoid Fever.	Cerebo Spinal Meningitis.
Stoneham,	6,035	8	0	..	2	1	..	..
Middleborough,	5,233	6	1	..	1	1	..	..
Westborough,	5,195	13	0	1	2	..	..	..
Great Barrington,	4,612	2	0	..	2	..	..	..
Concord,	4,457	2	0	1	..	..	1	..
Easton,	4,439	6	1	..	1	3	..	..
Hingham,	4,375	1	0	..	..	..	..	..
Williamstown,	4,221	2	1	..	..	2	..	..
Hudson,	4,185	3	1	1	..	..	..	1
Randolph,	3,807	2	0	..	..	..	..	..
Wrentham,	2,892	..	..	..	..	..	..	..
Merrimac,	2,492	4	0	..	1	..	..	..
Cohasset,	2,448	1	0	..	..	..	..	..
Dalton,	2,325	7	3	1	2	..	1	..
Groton,	2,037	2	0	..	..	..	..	..
Norton,	1,785	2	0	..	..	1	..	..
Conway,	1,573	2	0	..	..	..	..	..
Shrewsbury,	1,449	1	1	..	..	..	..	..
Topsfield,	1,141	2	0	..	..	1	..	..
Truro,	972	2	0	..	..	..	..	..
Russell,	879	2	0	..	..	..	..	..
Burlington,	617	1	0	..	..	..	..	..
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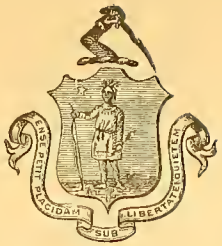
Total of reporting towns,	67,169	71	8	4	11	9	2	1



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 11, 1891.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of March.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending April 11, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrheal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,447	204	50	20	49	1	4	
Worcester,	84,655	29	8	2	6	2	..	..
Lowell,	77,696	42	12	4	7	3	1	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	36	11	5	5	1	..	..
Lynn,	55,727	18	7	1	1	..	..	..
Lawrence,	44,654	..	..	..	..	..	..	..
Springfield,	44,179	15	4	..	3	..	..	..
New Bedford,	40,733	18	3	..	4	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	11	1	..	2	..	..	..
Chelsea,	27,909	15	3	..	1	..	..	..
Haverhill,	27,412	8	1	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	3	2	..	..	..	2
Gloucester,	24,651	7	3	..	..	..	..	..
Newton,	24,379	5	0	..	1	..	..	..
Malden,	23,031	3	2	..	2	..	..	..
Fitchburg,	22,037	8	3	..	2	..	..	..
Waltham,	18,707	6	2	..	..	..	..	..
Pittsfield,	17,281	3	0	1	..	..	..	1
Quincy,	16,723	4	3	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	0	..	..	..	..	..
Marlborough,	13,808	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	3	0	1	1	..	1	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	1,142,349	446	116	36	86	10	6	7

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 10; diarrhœal diseases, 7; typhoid fever, 6; whooping-cough, 4; erysipelas, 3; measles, 2; scarlet-fever, 2; cerebro-spinal-meningitis and puerperal fever, each 1.

No deaths were reported from small-pox and malarial fever.

There were 86 deaths from acute lung diseases; consumption, 62; and still-births, 15.

From whooping-cough: Bostou, 3; Cambridge, 1. From erysipelas: Boston, 3. From Measles, Boston and Cambridge, 1 each. From scarlet-fever: Cambridge and Lynn, 1 each. From cerebro-spinal-meningitis: Cambridge, 1. From puerperal fever: Bostou, 1.

Deaths from the principal infectious diseases numbered 36 against 26 for the preceding week.

Deaths under five years of age numbered 116 against 124 for the preceding week.

Cases reported in Boston: measles, 98; scarlet-fever, 48; diphtheria, 21; typhoid fever, 8.

The death-rates for the week were: Boston, 23.65; Worcester, 17.80; Lowell, 28.09; Fall River,——; Cambridge, 26.71; Lynn, 16.59; Lawrence,——; Springfield, 17.65; New Bedford, 22.97; Somerville, ——; Holyoke, ——; Salem, 18.56; Chelsea, 27.94; Haverhill, 15.17; Brockton, ——; Taunton, 14.30; Gloucester, 14.74; Newton, 10.66; Malden, 6.77; Fitchburg, 18.87; Waltham, 16.67; Pittsfield, 9.02; Quincy, 12.43; Northampton, ——; Chicopee, ——; Newburyport, 7.45; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.30 against 21.39 and 20.28 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 11, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	29.89	36.5	43.0	30.0	61	50	55.0	N. W.	W.	25	12	C.	C.		0.00
Monday, 6,	29.86	35.5	44.0	27.0	62	62	62.0	W.	S.	07	06	F.	O.		0.00
Tuesday, 7,	29.88	35.5	42.0	29.0	60	51	55.0	W.	N. W.	10	09	C.	O.		0.00
Wednes'y, 8,	30.18	39.0	46.0	32.0	60	58	59.0	W.	W.	12	07	C.	C.		0.00
Thursday, 9,	30.45	38.0	45.0	31.0	63	59	62.0	N.	E.	08	09	F.	C.		0.00
Friday, 10,	30.56	42.5	50.0	35.0	66	71	68.0	W.	S.	05	12	O.	C.		0.00
Saturday, 11,	30.32	45.0	50.0	40.0	84	93	88.0	S.	S.	09	12	O.	O.		0.02
Week, - -	30.16	38.9	45.7	32.0	65.0	63.4	64.1								0.02

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	74	110	184	Maple Syrup,	2	2	4
Butter,	6	17	23	Canned Goods,	3	26	29
Cheese,	1	..	1	Honey,	4	1	5
Lard,	2	..	2	Tea,	4	..	4
Olive Oil,	..	..	..	Coffee,	5	6	11
Vinegar,	1	..	1	Cocoa,	1	..	1
Spices,	42	4	46	Confectionery,	5	2	7
Cream of Tartar,	17	1	18	Other articles of Food and Drinks,	10	..	10
Molasses,	3	..	3	Drugs,	23	3	26
Syrups,	..	..	..				
Maple Sugar,	3	5	8	Totals,	206	177	383

Percentage of adulteration, 46.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Of the 110 samples of Milk which were found to be below the standard 83, or 75 per cent., had more than 12 per cent. of solids, and in the months of May and June would have been above the legal standard.

Three complaints were entered in the courts, during the month, for violation of the laws relative to the inspection of Food and Drugs. Two of these were for violation of the Statutes relating to Milk, and one for sale of adulterated Maple Sugar. Convictions resulted in each case.

The samples of drugs examined were Quinine, Tincture of Nux Vomica, Ether, Spirits of Nitrous Ether, Compound Spirits of Ether, Olive Oil, Tannic Acid, Syrup, Menthol, Glycerine, Cloves, Lycopodium, and three Proprietary Cosmetics.

The cities and towns from which samples were obtained were Boston, Fall River, Lawrence, Cambridge, Chelsea, Brockton, Lowell, Lynn, Haverhill, Springfield, Northampton, Quincy, Amherst, Acton, Bedford, Carlisle, Marlborough and Plymouth.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 18, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending April 18, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	235	69	13	43	1	2	3
Worcester,	84,655	24	6	2	3	..	..	1
Lowell,	77,696	31	6	3	7	..	2	..
Fall River,	74,398	47	17	1	16	1	..	..
Cambridge,	70,028	22	8	3	6	..	..	..
Lynn,	55,727	23	6	1	4	..	..	..
Lawrence,	44,654	23	3	2	4	..	1	1
Springfield,	44,179	11	0	4	3	1	..	1
New Bedford,	40,733	22	8	..	4	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	2	..	4	..	..	..
Chelsea,	27,909	9	2	1	2	..	..	..
Haverhill,	27,412	8	1	1	2	..	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	2	1	2	1	..	..
Gloucester,	24,651	6	2	..	..	..	..	..
Newton,	24,379	7	..	..	2	..	..	..
Malden,	23,031	7	2	..	..	..	..	..
Fitchburg,	22,037	4	2	1	..	1	..	..
Waltham,	18,707	4	2	..	1	..	..	..
Pittsfield,	17,281	7	4	..	3	..	..	..
Quincy,	16,723	6	2	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	2	..	2	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns.	1,212,870	520	146	33	109	6	6	5

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 6; typhoid fever, 6; diarrhœal diseases, 5; measles and erysipelas, 4 each; scarlet-fever, cerebro-spinal meningitis, whooping-cough and puerperal fever, each 2.

No deaths were reported from small-pox and malarial fever.

There were 106 deaths from acute lung diseases; consumption, 57; and still-births, 40.

Ten deaths were primarily attributed to la grippe: Fall River, 5; Pittsfield, 3; Springfield and Quincy, 1 each.

From measles; Springfield, 2; Lowell and Cambridge, 1 each. From erysipelas: Boston, 3; Cambridge, 1. From scarlet-fever: Boston and Chelsea, 1 each. From cerebro-spinal meningitis: Worcester and Lynn, 1 each. From whooping-cough: Boston and Cambridge, 1 each. From puerperal fever: Boston, 2.

Deaths from the principal infectious diseases numbered 33 against 36 for the preceding week.

Deaths under five years of age numbered 109 against 116 for the preceding week.

Cases reported in Boston: measles, 135; scarlet-fever, 35; diphtheria, 20; typhoid fever, 3.

The death-rates for the week were: Boston, 27.24; Worcester, 14.73; Lowell, 20.73; Fall River, 32.84; Cambridge, 16.33; Lynn, 21.46; Lawrence, 26.78; Springfield, 12.94; New Bedford, 27.08; Somerville, ——; Holyoke, ——; Salem, 16.88; Chelsea, 16.76; Haverhill, 15.17; Brockton, ——; Taunton, 14.30; Gloucester, 12.63; Newton, 14.93; Malden, 15.80; Fitchburg, 9.43; Waltham, 11.11; Pittsfield, 21.06; Quincy, 18.65; Northampton, ——; Chicopee, ——; Newburyport, 26.09; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 22.21 against 20.30 and 21.39 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 18, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.05	52.0	62.0	42.0	74	68	71.0	W.	W.	12	10	C.	C.		0.00
Monday, 13,	29.92	54.0	58.0	48.0	97	72	84.0	S. W.	W.	12	14	O.	O.		0.17
Tuesday, 14,	30.08	59.0	57.0	61.0	74	84	79.0	S. W.	S.W.	17	12	F.	O.		0.00
Wednes'y, 15,	30.12	41.0	44.0	38.0	92	92	92.0	N.	N.E.	12	08	O.	O.		0.47
Thursday, 16,	30.18	46.0	53.0	39.0	90	89	89.0	E.	E.	05	06	O.	F.		0.00
Friday, 17,	30.25	50.0	58.0	43.0	83	84	83.0	N. E.	S.	04	12	O.	C.		0.00
Saturday, 18,	29.98	61.0	76.0	46.0	91	80	85.0	S. W.	S.W.	12	12	O.	O		0.00
Week, - -	30.08		78.0	45.0			83.0								0.00

* O., Cloudy: C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 25, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending April 25, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	448,477	188	56	18	44	2	5	4
Worcester,	84,655	28	6	5	7	1	2	2
Lowell,	77,696	39	17	3	6	..	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	26	9	3	6	..	..	..
Lynn,	55,727	15	2	..	1	..	..	..
Lawrence,	44,654	13	..	2	..	..	1	..
Springfield,	44,179	11	3	2	2	1	1	..
New Bedford,	40,733	22	4	..	4	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	11	2	2	3	..	..	..
Chelsea,	27,909	9	3	1	5	1	..	..
Haverhill,	27,412	7	2	2	2	1	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	10	7	1	4	..	1	..
Malden,	23,031	6	1	..	..	..	..	..
Fitchburg,	22,037	7	3	..	1	..	..	..
Waltham,	18,707	3	0	..	1	..	..	..
Pittsfield,	17,281	3	2	..	..	..	..	..
Quincy,	16,723	3	1	1	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	1	..	1	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	2	0	..	..	..	..	..
Medford,	11,079	6	0	..	2	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	3	1	..	1	..	..	..
Hyde Park,	10,193	4	2	2	..	..	1	..
Peabody,	10,158	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,142,333	425	122	42	91	6	12	6

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 12; typhoid, 6; scarlet-fever, 6; erysipelas, 5; cerebro-spinal meningitis, 4; diarrhœal diseases, 4; whooping-cough, 3; measles, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 91 deaths from acute lung diseases; consumption, 51; and still-births, 25.

Two deaths were primarily attributed to la grippe: Pittsfield and Medford, 1 each.

From erysipelas: Boston and Cambridge, 2 each; Salem, 1. From cerebro-spinal meningitis: Boston, Cambridge, Salem and Hyde Park, 1 each. From diarrhœal diseases: Lowell, 2; Boston and Lawrence, 1 each. From whooping-cough: Boston, 3. From measles; Quincy, 1. From puerperal fever: Lowell, 1.

Deaths from the principal infectious diseases numbered 42 against 33 for the preceding week.

Deaths under five years of age numbered 122 against 146 for the preceding week.

Cases reported in Boston: measles, 96; scarlet-fever, 27; diphtheria, 9; typhoid fever, 1.

The death-rates for the week were: Boston, 21.79; Worcester, 17.19; Lowell, 26.09; Fall River, ——; Cambridge, 19.30; Lynn, 13.99; Lawrence, 15.13; Springfield, 12.94; New Bedford, 29.08; Somerville, ——; Holyoke, ——; Salem, 18.56; Chelsea, 16.76; Haverhill, 12.27; Brockton, ——; Taunton, ——; Gloucester, ——; Newton, 21.32; Malden, 13.54; Fitchburg, 16.51; Waltham, 8.33; Pittsfield, 9.02; Quincy, 9.32; Northampton, 26.09; Chicopee, ——; Newburyport, ——; Marlborough, ——; Woburn, ——.

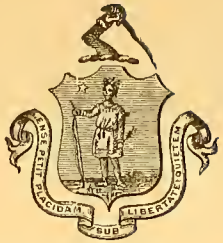
The total death-rate for the week was 19.34 against 22.21 and 20.30 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 25, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	29.89	69.0	78.0	60.0	85	69	77.0	W.	N.	5	8	O.	O.		0.09
Monday, 20,	30.18	50.0	60.0	40.0	73	96	85.0	N.W.	E.	07	12	C.	O.		0.00
Tuesday, 21,	30.30	54.0	67.0	41.0	79	71	75.0	W.	S.W.	09	20	C.	C.		0.00
Wednes'y, 22,	29.82	62.0	77.0	48.0	80	70	75.0	S.W.	S. W.	16	24	O.	C.		0.00
Thursday, 23,	29.52	59.0	74.0	44.0	82	100	91.0	W.	N. E.	12	12	O.	O.		0.01
Friday, 24,	29.58	49.0	59.0	40.0	96	66	81.0	N.E.	N.W.	06	08	O.	C.		Trace.
Saturday, 25,	29.63	40.0	45.0	35.0	96	84	90.0	N.W.	N.W.	12	15	R.	C		0.04
Week, - -	29.85		66.0	44.0			82.0								0.00

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 2, 1891.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending May 2, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Scarlet-Fever.	Measles.
Boston,	448,477	241	62	14	56	4	3	2
Worcester,	84,655	18	7	1	3	..	..	..
Lowell,	77,696	30	9	5	3	..	1	..
Fall River,	74,398	27	10	4	6	1	..	2
Cambridge,	70,028	25	8	3	5	1	..	1
Lynn,	55,727	22	4	2	3	..	..	..
Lawrence,	44,654	18	1	1	3	..	..	..
Springfield,	44,179	11	3	1	1	..	..	..
New Bedford,	40,733	17	5	..	4	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	15	8	..	3	..	..	..
Chelsea,	27,909	17	5	..	3	..	..	..
Haverhill,	27,412	8	2	..	..	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	9	3	2	..	..	1	..
Newton,	24,379	7	0	..	1	..	..	..
Malden,	23,031	8	1	1	1	..	..	1
Fitchburg,	22,037	11	3	..	..	..	..	..
Waltham,	18,707	4	3	..	3	..	..	..
Pittsfield,	17,281	3	0	1	1	1	..	..
Quincy,	16,723	4	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	1	..	1	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	6	0	2	2	..	1	1
Hyde Park,	10,193	1	0	..	..	..	..	..
Peabody,	10,158	1	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Scarlet-Fever.	Measles.
Total of reporting towns,	1,218,198	508	135	37	99	7	6	7

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-seven deaths were reported from the principal infectious diseases: measles, 7; diphtheria and croup, 7; scarlet-fever, 6; typhoid fever, 6; cerebro-spinal meningitis, 3; whooping-cough, 3; diarrhœal diseases, 3; erysipelas, 2.

No deaths were reported from small-pox and malarial fevers.

There were 99 deaths from acute lung diseases; consumption, 67; and still-births, 32.

From typhoid fever: Lowell, 2; Boston, Lynn, Lawrence and Springfield, 1 each. From cerebro-spinal meningitis: Worcester, Lowell and Lynn, 1 each. From whooping-cough: Boston, Cambridge and Gloucester, 1 each. From diarrhœal diseases: Boston, Lowell and Fall River, 1 each. From erysipelas: Boston, 2.

Deaths from the principal infectious diseases numbered 37 against 42 for the preceding week.

Deaths under five years of age numbered 135 against 122 for the preceding week.

Cases reported in Boston: scarlet-fever, 34; diphtheria, 17; measles, 12; typhoid fever, 10.

The death-rates for the week were: Boston, 27.94; Worcester, 11.05; Lowell, 20.07; Fall River, 18.86; Cambridge, 18.56; Lynn, 20.52; Lawrence, 20.95; Springfield, 12.94; New Bedford, 21.70; Somerville, ——; Holyoke, ——; Salem, 25.32; Chelsea, 31.67; Haverhill, 15.17; Brockton, ——; Taunton, ——; Gloucester, 18.95; Newton, 14.93; Malden, 18.06; Fitchburg, 25.95; Waltham, 11.11; Pittsfield, 9.02; Quincy, 12.43; Northampton, ——; Chicopee, ——; Newburyport, 18.64 Marlborough, ——; Woburn, ——.

The total death-rate for the week was 21.68 against 19.34 and 22.21 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 2, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Apr. 26,	29.92	46	56	36	63	55	59.0	N.W.	N.W.	21	3	C.	C.		0.00
Monday, 27,	29.96	61	78	45	67	64	66.0	W.	S.W.	6	12	O.	C.		0.00
Tuesday, 28,	29.76	58	66	50	69	64	67.0	W.	N.W.	23	14	C.	C.		0.00
Wednes'y, 29,	29.84	46	55	36	76	60	68·0	N.W.	N.E.	12	8	O.	C.		0.00
Thursday, 30,	29.70	54	68	40	69	67	68.0	W.	E.	7	2	C.	C.		0.00
Friday, May 1,	29.69	51	55	47	86	76	81.0	E.	S.E.	12	8.	F.	C.		0.00
Saturday, 2,	29.99	59	69	49	63	53	58.0	N.W.	S.	12	12	O.	C.		0.00
Week, - -	29.84		64	43			67.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 16 smaller towns of Massachusetts, as reported to the State Board of Health for the month of April.

The total death-rate of reporting towns for the month was 16.63.

TOWNS.	ESTIMATED POPULATION.	Reported Deaths in each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	La Grippe.	Scarlet-Fever.
Stoneham,	6,035	8	0	..	..	1	1	..
Middleborough,	5,233	14	0	..	2	..	..	1
Westborough,	5,195	14	0	..	2	..	..	..
Concord,	4,457	3	1	1	2	..	..	..
Easton,	4,439	3	1	..	..	1	..	..
Hingham,	4,375	4	0	..	..	..	..	..
Williamstown,	4,221	4	0	..	1	..	..	..
Hudson,	4,185	5	4	..	..	..	1	..
Randolph,	3,807	4	0	..	..	1	..	..
Wrentham,	2,892	2	0	..	..	..	..	..
Bradford,	3,720	4	0	..	..	..	1	..
Merrimac,	2,492	3	0	1	..	..	..	..
Dalton,	2,325	6	0	..	5	..	..	..
Groton,	2,037	4	0	0	..	..	..	..
Truro,	972	0	0	..	..	..	..	..
Burlington,	617	1	0	..	..	..	..	..
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Total of reporting towns,	57,002	79	6	2	12	3	3	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 9, 1891.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of April.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.
Price 25 Cents a Year.
VOL. IX. No. 18.

STATE BOARD OF HEALTH.
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MORTALITY OF MASSACHUSETTS

For the Week ending May 9, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Scarlet-Fever.	Measles.
Boston,	448,477	188	56	13	36	6	3	1
Worcester,	84,655	32	10	6	4	..	..	1
Lowell,	77,696	33	14	4	7	..	1	2
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	20	2	1	1	..	..	..
Lynn,	55,727	19	8	1	4	..	1	..
Lawrence,	44,654	20	6	2	2	..	..	..
Springfield,	44,179	17	1	1	4	..	1	..
New Bedford,	40,733	13	3	1	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	12	4	2	..	2	..	..
Chelsea,	27,909	8	2	1	..	..	1	..
Haverhill,	27,412	16	3	..	3	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	4	0	1	..	..	..	..
Newton,	24,379	6	1	..	1	..	..	..
Malden,	23,031	7	1	..	..	..	..	..
Fitchburg,	22,037	7	2	2	..	2	..	..
Waltham,	18,707	10	1	..	2	..	..	..
Pittsfield,	17,281	4	2	1	2	..	..	1
Quincy,	16,723	4	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	1	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	2	0	..	..	..	..	..
Peabody,	10,158	1	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Scarlet-Fever.	Measles.
Total of reporting towns,	1,144,457	428	118	36	68	11	7	5

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 11; scarlet-fever, 7; measles and diarrhœal diseases, 5 each; cerebro-spinal meningitis, 3; typhoid fever and erysipelas, 2 each; whooping-cough, 1.

No deaths were reported from small-pox, malarial fevers and puerperal fever.

There were 68 deaths from acute lung diseases; consumption, 58; and still-births, 22.

From diarrhœal diseases: Worcester and Lawrence, 2 each; Boston, 1. From cerebro-spinal meningitis: Worcester, 2; Gloucester, 1. From typhoid fever: Lowell and Cambridge, 1 each. From erysipelas: Boston and Worcester, 1 each. From whooping-cough: Boston, 1.

Deaths from the principal infectious diseases numbered 36 against 37 for the preceding week.

Deaths under five years of age numbered 118 against 135 for the preceding week.

Cases reported in Boston: measles, 63; scarlet-fever, 40; diphtheria, 9 and typhoid fever, 7;

The death-rates for the week were: Boston, 21.79; Worcester, 19.64; Lowell, 22.07; Fall River, ——; Cambridge, 14.85; Lynn, 17.72; Lawrence, 23.28; Springfield, 20.00; New Bedford, 16.59; Somerville, ——; Holyoke, ——; Salem, 20.25; Chelsea, 14.90; Haverhill, 30.35; Brockton, ——; Taunton, ——; Gloucester, 8.42; Newton, 12.79; Malden, 15.18; Fitchburg, 16.51: Waltham, 27.79; Pittsfield, 12.02; Quincy, 12.43; Northampton, ——; Chicopee, ——; Newburyport, 7.45; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.45 against 21.68 and 19.34 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 9, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 3,	29.91	53	58	48	75	93	84.0	S.	N.W.	10	14	O.	C.		0.09
Monday, 4,	29.95	56	68	43	67	59	63.0	W.	W.	6	19	C.	C.		Trace.
Tuesday, 5,	29.90	42	48	35	61	62	61.0	W.	W.	12	12	F.	O.		0.00
Wednes'y, 6,	29.89	41	50	33	73	85	79·0	N.W.	N.E.	12	8	F.	F.		Trace.
Thursday, 7,	30.02	47	55	38	71	56	63.0	N.	W.	12	5	C.	C.		0.00
Friday, 8,	29.97	54	65	44	71	50	60.0	N.	S.W.	4	12	O.	O.		0.00
Saturday, 9,	29.98	51	56	47	71	93	82.0	N.	N. E.	4	9	O.	O.		0.00
Week, - -	27.75		57	41			70.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	114	134	248	Maple Syrup,	14	3	17
Butter,	12	20	32	Canned Goods,	2	3	5
Cheese,	5	..	5	Honey,	4	..	4
Lard,	4	1	5	Tea,	5	..	5
Olive Oil,	..	..	..	Coffee,	5	7	12
Vinegar,	..	..	..	Cocoa,	..	..	..
Spices,	53	14	67	Confectionery,	4	..	4
Cream of Tartar,	27	10	37	Other articles of Food and Drinks,	8	..	8
Molasses,	10	..	10	Drugs,	65	3	68
Syrups,	..	..	..				
Maple Sugar,	1	..	1	Totals,	333	195	528

Percentage of adulteration, 36.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The percentage of samples of milk found to be below the standard, like that of March, was unusually large; Out of the 134 samples found to be below the standard 98 or 73 per cent. had more than 12 per cent. of solids and in May or June would have been above the legal standard. The percentage of other articles of food and drugs, (not milk) found to be adulterated was 21.8.

Seventeen complaints were entered in the courts, during the month, for violation of the laws relative to the inspection of Food and Drugs. Six of these were for violation of the laws relating to the sale of milk; five for the sale of adulterated Cream of Tartar; four for sale of adulterated Coffee; and one each for sales of adulterated Maple Sugar and Maple Syrup. The amount of fines paid to the local treasuries was $334.

The adulterated samples of drugs were Compound Spirits of Ether, Ethereal oil and Musk.

The places from which samples were obtained were Boston, Springfield, Fall River, New Bedford, Holyoke, Chelsea, Cambridge, Lynn, Fitchburg, Salem, Malden, Northampton, Chicopee, Somerville, Waltham, Newton, Quincy, Marlborough, Brookline, Amherst and Natick.

THE SALE OF CANNED VEGETABLES COLORED WITH THE SALTS OF COPPER.

At its last meeting, May 5, 1891, evidence was presented that peas, beans and other vegetables preserved in tin cans and in glass jars, and colored with blue vitriol or other salts of copper, are sold within this Commonwealth in considerable quantities. So far as can be learned by careful examination the practice of coloring canned vegetables in this manner is confined exclusively to France, and the sale of such articles is prohibited by law in most of the civilized countries of Europe. The object of such practice is evidently to give to the articles thus sold a fictitious value, by making the canned vegetables appear to the consumer like those which have been freshly gathered, and the demand for them would quickly cease if they should be labeled "*canned peas colored with sulphate of copper.*"

The practice of putting poisonous substances into food in any quantity whatever is an objectionable one, and the Board therefore expressed its opinion upon the subject as follows, and has issued a circular to the same effect: —

In the opinion of the Board, the sale of articles of food containing such well-known poisonous substances as the Salts of Copper, is a violation of the Statutes relating to the Inspection of Food and Drugs.

The provision of the Statutes specially referred to are the following: —

[Chapter 263 of the Acts of 1882, Section 3.]

"An article shall be deemed to be adulterated within the meaning of this act, — in the case of food — (6) if it is colored, coated, polished or powdered, whereby damage is concealed, or if it is made to appear better or of greater value than it really is; (7) if it contains any added poisonous ingredient, or any ingredient which may render it injurious to the health of a person consuming it."

In conformity with the foregoing action the Board has had samples of such articles examined, and finds that those bearing the following names contain copper as a coloring agent.

The publication of this list should not be taken as evidence that other brands are exempt from the same practice, since there may be many brands which have not come to the notice of the board.

Canned Vegetables put up by the following Firms and having the following Brands have been found to contain the Salts of Copper as an Adulterant.

Peas.

J. Fiton & Cie, petits pois verts au naturel, Bordeaux.
Charpentier. Usine de Montrouge, petit pois fins.
Victor Tertrais, pois moyens, Nantes.
Soule & Priee, Bordeaux.
Dandicolle & Gaudin, Bordeaux.
Alexandre Eyquem, petits pois verts, Bordeaux.
Barton Fils, petits pois, Paris.
Marcelino, petits pois fins, Paris.
Alphonse Pinard, petits pois verts, Bordeaux.
Lanan Francois & Co., petits pois verts.
Rodel & fils Frs., petits pois extra fins au naturel.
Fontaine Freres, petits pois extra fins.
F. Roudenet, Nantes.
Alexander Bernard, Bordeaux.
Duprat, Clement & Maurel, Bordeaux.
E. M. Dadelzen, Bordeaux.
Eugene Du Raix, Bordeaux.
Guillaumez, Nancy.
Gabriel Triat & Co, Bordeaux.
R. Monbadou, Paris and Bordeaux.
S. Nicholas & Cie.
G. Talbot, Bordeaux.
E. Dufour & Cie.
Gillard Fils, Bordeaux.
Rilhac.
J. Nouville & Cie, Bordeaux.
Victor Leopold.
Briant.
Henri Lambert & Cie.
A. Dupin.
Chs. Julien.
Bouvais, Flou.
Gouleau.
Vie Garres & Fils.
Eugene Mercier, Paris.
A. Marcies & Cie.
Talbot Freres, Bordeaux.
Lemouies.
Pierre Durand.
Gillard fils, Bordeaux.
Rolland & Grosset, Paris and Bordeaux.
Brennard Fres, Paris. Extra fine.
Billet, Paris.
Eugene Fernand & Cie, Bordeaux.
Constant fils, petits pois, Paris.
Tisserand & fils, Paris. Extra fine.
Jules Dupont, Paris.
Alexis Godillot, Jn. Bordeaux.
Couteau, petits pois fins, Paris.
Crown Imperial, Nancy.
Geo. Cadeau & Cie, Paris. Pois extra fins.

Beans.

Dandieolle & Gaudin.
G. Talbot & Co.
A Billet.

Brussels Sprouts.

Dandicolle & Gaudin.

Water-Supply and Sewerage.

Official action has been taken by the Board under the provisions of chapter 375 of the Acts of 1888 in the following cases relating to water-supply and sewerage, which have been submitted to the Board for its advice and approval since Jan. 1, 1891 : —

Water Supply.

Names of Cities, Towns and Corporations.	Date of Action of Board
The city of Quincy,	March 11, 1891.
The city of Haverhill,	March 4, "
The Board of Trade of the town of Merrimac,	March 25, "
Lot Phillips and others for the towns of Hanover and Norwell,	February 12, "
The town of Easthampton,	March 25, "
The town of Orange,	March 4, "
The city of Waltham,	March 4, "
The trustees of Falmouth Highlands,	March 25, "
The town of Methuen,	April 7, "
The Lexington Water Company,	April 7, "
The town of Winchester,	May 5, "

Sewerage and Sewage Disposal.

The city of Pittsfield,	May 12, "
The town of Fairhaven,	May 5, "
The town of North Adams,	April 7, "

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, May 16, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

For the Week ending May 16, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	209	50	16	50	2	2	5
Worcester,	84,655	35	11	2	7	..	..	..
Lowell,	77,696	..	..	..	..	..	..	..
Fall River,	74,398	30	..	..	10	..	..	..
Cambridge,	70,028	32	8	2	12	1	..	..
Lynn,	55,727	18	3	..	5	..	..	..
Lawrence,	44,654	19	5	3	2	2	1	..
Springfield,	44,179	11	4	2	1	2	..	..
New Bedford,	40,733	23	9	4	..	1	..	1
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	8	2	..	..	..	..	..
Chelsea,	27,909	12	4	2	1	..	1	..
Haverhill,	27,412	..	..	..	..	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	6	2	..	..	..	..	..
Gloucester,	24,651	4	1	..	..	..	..	..
Newton,	24,379	7	3	..	2	..	..	..
Malden,	23,031	5	1	..	..	..	..	..
Fitchburg,	22,037	10	2	..	..	..	..	..
Waltham,	18,707	7	1	..	2	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	5	2	1	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	4	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	4	4	1	..	..	1	..
Hyde Park,	10,193	5	1	..	2	..	..	..
Peabody,	10,158	3	0	1	1	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,132,335	458	114	34	96	8	6	6

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-four deaths were reported from the principal infections diseases: diarrhœal diseases, 8; diphtheria and croup, 6; typhoid fever, 6; erysipelas, 4; scarlet-fever 3; measles, 2; cerebro-spinal meningitis, 2; whooping-cough, 2; puerperal fever, 1.

No deaths were reported from small-pox, and malarial fever.

There were 96 deaths from acute lung diseases; consumption, 64; and still-births, 32.

From erysipelas: Boston and New Bedford, 2 each. From scarlet-fever: Boston, Cambridge and Worcester, 1 each. From measles: Boston and Worcester, 1 each. From cerebro-spinal meningitis: Chelsea and Quincy, 1 each. From whooping-cough: Boston, 2. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 34 against 36 for the preceding week.

Deaths under five years of age numbered 114 against 118 for the preceding week.

Cases reported in Boston: measles, 75; scarlet-fever, 41; diphtheria, 27; and typhoid fever, 4.

The death-rates for the week were: Boston, 24.23; Worcester, 21.49; Lowell, ——; Fall River, 20.96; Cambridge, 24.76; Lynn, 16.79; Lawrence, 22.12; Springfield, 23.16; New Bedford, 29.36; Somerville, ——; Holyoke, ——; Salem, 13.50; Chelsea, 22.35; Haverhill, ——; Brockton, ——; Taunton, 12.26; Gloucester, 8.42; Newton, 14.93; Malden, 11.28; Fitchburg, 23.59: Waltham, 21.06; Pittsfield, ——; Quincy, 15.54; Northampton, ——; Chicopee, ——; Newburyport, 14.91; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 21.03 against 19.45 and 21.68 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 16, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.87	60	80	40	85	60	72.0	N.W.	S.	3	12	O.	C.		0.00
Monday, 11,	29.83	71	81	61	55	52	53.0	S.W.	N.W.	5	14	O.	C.		0.00
Tuesday, 12,	30.12	51	55	47	74	79	76.0	N. E.	N. E.	24	14	O.	O.		Trace.
Wednes'y, 13,	30.08	50	56	45	89	72	80·0	N.E.	S. E.	10	8	O.	C.		0.08
Thursday, 14,	30.06	59	72	46	68	64	66.0	S. W.	S. W.	5	12	C.	F.		0.00
Friday, 15,	30.15	52	56	48	68	85	76.0	N. E.	E.	16	8	C.	T.		0.00
Saturday, 16,	29.79	57	67	47	100	100	100.0	E.	S. W.	11	5	O.	R.		0.82
Week. - -	29.99		67	48			75.0								0.90

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 23, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.
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VOL. IX. No. 20.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineers.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 23, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	217	57	15	53	2	2	7
Worcester,	84,655	21	11	1	5	..	..	..
Lowell,	77,696	39	13	10	7	5	..	3
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	39	6	2	6	..	..	1
Lynn,	55,727	21	8	1	..	..	..	..
Lawrence,	44,654	16	5	3	3	1	1	..
Springfield,	44,179	17	5	1	4	1	..	..
New Bedford,	40,733	11	7	..	..	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	6	1	..	..	..	..	..
Chelsea,	27,909	13	2	..	2	..	..	..
Haverhill,	27,412	9	2	1	3	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	9	0	1	..	..	1	..
Gloucester,	24,651	6	3	1	..	..	..	1
Newton,	24,379	9	2	..	3	..	..	..
Malden,	23,031	7	3	..	..	..	..	..
Fitchburg,	22,037	6	2	..	..	..	..	..
Waltham,	18,707	3	0	..	2	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	6	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	3	1	1	1	..	..	1
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	6	1	..	..	..	..	..
Medford,	11,079	3	0	..	1	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	3	1	..	..	..	..	..
Peabody,	10,158	3	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,164,724	473	131	37	91	9	4	13

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 13; diarrhœal diseases, 9; typhoid fever, 4; cerebro-spinal meningitis, 4; scarlet-fever 2; whooping cough, 2; erysipelas, 2; measles, 1.

No deaths were reported from small-pox, and malarial fever.

There were 91 deaths from acute lung diseases; consumption, 70; and still-births, 28.

From cerebro-spinal meningitis: Lowell, 2; Worcester and Cambridge, 1 each. From scarlet-fever: Boston and Haverhill, 1 each. From whooping-cough: Boston and Lawrence, 1 each. From erysipelas: Boston and Lynn 1 each. From measles: Boston 1.

Deaths from the principal infectious diseases numbered 37 against 34 for the preceding week.

Deaths under five years of age numbered 131 against 114 for the preceding week.

Cases reported in Boston: measles, 69; scarlet-fever, 35; diphtheria, 18; and typhoid fever, 9.

The death-rates for the week were: Boston, 25.16; Worcester, 12.89; Lowell, 26.09; Fall River, ——; Cambridge, 28.85; Lynn, 19.59; Lawrence, 18.63; Springfield, 20.00; New Bedford, 14.04; Somerville, ——; Holyoke, ——; Salem, 10.12; Chelsea, 24.21; Haverhill, 17.07; Brockton, ——; Taunton, 18.38; Gloucester, 12.63; Newton, 19.19; Malden, 15.80; Fitchburg, 1.415; Waltham, 8.33; Pittsfield, ——; Quincy, 18.65; Northampton, ——; Chicopee, ——; Newburyport, 11.18; Marlborough, ——; Woburn, ——.

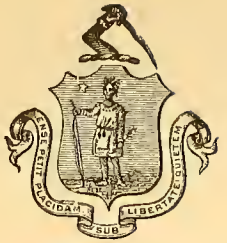
The total death-rate for the week was 21.12 against 21.03 and 19.45 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 23, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.88	51	58	44	55	40	47.0	N.W.	N.W.	26	8	C.	C.		0.26
Monday, 18,	29.90	52	62	42	47	50	48.0	S.W.	W.	20	8	O.	C.		0.01
Tuesday, 19,	30.26	56	68	43	44	54	49.0	W.	S.W.	8	14	O.	C.		0.00
Wednes'y, 20,	30.47	62	77	48	69	73	71.0	S.W.	S.	8	8	C.	O.		0.00
Thursday, 21,	30.31	66	74	57	75	70	72.0	S.W.	S.	12	12	O.	O.		Trace.
Friday, 22,	29.88	69	77	60	82	66	74.0	S.W.	N.	13	12	O.	O.		Trace.
Saturday, 23,	30.12	53	59	47	70	67	68.0	N.E.	S.W.	12	12	C.	F.		0.00
Week. - -	30.11		68	49			61.0								0.00

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, May 30, 1891.

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MORTALITY OF MASSACHUSETTS

For the Week ending May 30, 1891.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Erysipelas.	Diphtheria and Croup.
Boston,	448,477	193	48	18	41	..	5	9
Worcester,	84,655	34	11	..	11	..	..	..
Lowell,	77,696	35	11	6	6	4	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	22	3	2	5	1	..	1
Lynn,	55,727	18	8	1	3	..	1	..
Lawrence,	44,654	24	8	3	3	3	..	..
Springfield,	44,179	11	3	..	2	..	..	..
New Bedford,	40,733	14	3	1	2	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	0	..	..	..	..	..
Chelsea,	27,909	5	2	..	1	..	..	..
Haverhill,	27,412	..	..	..	..	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	6	1	1	1	..	..	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	..	..	..	..	..	..	..
Malden,	23,031	4	1	..	3	..	..	..
Fitchburg,	22,037	3	2	..	..	..	..	..
Waltham,	18,707	4	0	..	1	..	..	..
Pittsfield,	17,281	2	0	..	2	..	..	..
Quincy,	16,723	1	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	2	1	1	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	0	..	1	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	3	1	1	1	1	..	..
Peabody,	10,158	2	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Erysipelas.	Diphtheria and Croup.
Total of reporting towns,	1,093,460	400	104	34	85	9	6	10

DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 10; diarrhœal diseases, 9; erysipelas, 6; typhoid fever, 4; scarlet-fever, 2; cerebro-spinal meningitis, 2; puerperal fever, 1.

No deaths were reported from small-pox, malarial fever and whooping-cough.

There were 85 deaths from acute lung diseases; consumption, 46; and still-births, 15.

From typhoid fever: Lowell, 2; Boston and Newburyport, 1 each. From scarlet-fever: Boston, 2. From cerebro-spinal meningitis: New Bedford and Taunton, 1 each. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 34 against 37 for the preceding week.

Deaths under five years of age numbered 104 against 131 for the preceding week.

Cases reported in Boston: measles, 88; scarlet-fever, 40; diphtheria, 18; and typhoid fever, 8.

The death-rates for the week were: Boston, 22.34; Worcester, 20.87; Lowell, 23.41; Fall River, ——; Cambridge, 16.33; Lynn, 16.79; Lawrence, 27.94; Springfield, 12.94; New Bedford, 17.87; Somerville, ——; Holyoke, ——; Salem, 16.88; Chelsea, 9.31; Haverhill, ——; Brockton, ——; Taunton, 12.25; Gloucester, ——; Newton, ——; Malden, 9.03; Fitchburg, 7.07; Waltham, 11.11; Pittsfield, 6.01; Quincy, 3.10; Northampton, ——; Chicopee, ——; Newburyport, 26.09; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.02 against 21.12 and 21.03 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 30, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 24,	30.14	56	69	44	68	54	61.0	S.W.	S.W.	6	12	C.	F.		0.00
Monday, 25,	30.00	64	73	50	64	67	65.0	S.W.	S.W.	6	12	O.	C.		0.00
Tuesday, 26,	29.96	64	73	56	82	80	81.0	S.W.	N.W.	12	14	O.	R.		0.03
Wednes'y, 27,	30.22	52	58	46	59	59	59.0	N.	N.E.	9	11	F.	F.		Trace.
Thursday, 28,	30.21	58	67	48	39	61	50.0	S.W.	S.E.	5	6	C.	C.		0.00
Friday, 29,	30.04	52	55	49	97	100	98.0	N.E.	N.E.	16	8	R.	R.		0.26
Saturday, 30,	29.96	60	69	51	88	87	87.0	S.W.	N.E.	5	5	O.	O.		0.01
Week. - -	30.08		66	49			71.0								0.00

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 6, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 22.

STATE BOARD OF HEALTH.

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MORTALITY OF MASSACHUSETTS

For the Week ending June 6, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	178	48	10	34	..	3	5
Worcester,	84,655	16	2	1	2	1	..	..
Lowell,	77,696	33	11	1	7	1	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	25	11	4	2	2	..	1
Lynn,	55,727	17	6	5	1	..	..	3
Lawrence,	44,654	16	5	2	2	2	..	..
Springfield,	44,179	17	2	2	2	..	..	1
New Bedford,	40,733	12	3	..	3	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	6	0	1	1	..	..	..
Chelsea,	27,909	6	0	1	2	..	..	..
Haverhill,	27,412	8	3	1	..	..	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	0	..	1	..	..	..
Gloucester,	24,651	5	2	..	..	..	..	..
Newton,	24,379	5	0	..	1	..	..	..
Malden,	23,031	10	4	1	1	..	1	..
Fitchburg,	22,037	3	1	..	..	..	..	..
Waltham,	18,707	4	2	1	..	..	..	..
Pittsfield,	17,281	3	2	..	2	..	..	..
Quincy,	16,723	2	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	..	..	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	0	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	2	1	..	1	..	..	..
Peabody,	10,158	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,155,955	377	103	30	62	6	4	11

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty deaths were reported from the principal infectious diseases: diphtheria and croup, 11; diarrhœal diseases, 6; typhoid fever, 4; scarlet-fever, 3; measles, 2; cerebro-spinal meningitis, whooping-cough, erysipelas and puerperal fever, 1 each.

No deaths were reported from small-pox and malarial fever.

There were 62 deaths from acute lung diseases; consumption, 59; and still-births, 23.

From scarlet-fever: Boston, Springfield and Chelsea, 1 each. From measles: Lynn and Waltham, 1 each. From cerebro-spinal meningitis: Lynn, 1. From whooping-cough: Cambridge, 1. From erysipelas: Salem, 1. From puerperal fever: Boston, 1.

Deaths from the principal infections diseases numbered 30 against 37 for the preceding week.

Deaths under five years of age numbered 103 against 131 for the preceding week.

Cases reported in Boston: measles, 66; scarlet-fever, 27; diphtheria, 13; and typhoid fever, 9.

The death-rates for the week were: Boston, 20.63; Worcester, 9.82; Lowell, 11.07; Fall River, ——; Cambridge, 18.56; Lynn, 15.86; Lawrence, 18.63; Springfield, 20.00; New Bedford, 15.31; Somerville, ——; Holyoke, ——; Salem, 10.12; Chelsea, 11.17; Haverhill, 15.17; Brockton, ——; Taunton, 14.30; Gloucester, 10.50; Newton, 10.66; Malden, 22.57; Fitchburg, 7.07: Waltham, 11.01; Pittsfield, 9.02; Quincy, 6.21; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, ——; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 16.96 against 21.12 and 21.03 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 6, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, May 31,	29.98	62	69	55	85	97	91.0	N.	E.	4	4	F.	F.		Trace.
Monday, June 1,	29.90	59	70	48	97	89	93.0	E.	S. W.	5	13	O.	C.		0.00
Tuesday, 2,	29.91	72	86	58	82	88	85.0	W.	W.	9	2	C.	O.		0.29
Wednes'y, 3,	30.00	57	62	53	94	94	94.0	N. E.	N. E.	10	7	O.	O.		Trace.
Thursday, 4,	30.08	49	52	46	93	87	90.0	N.	S.	18	3	R.	C.		0.36
Friday, 5,	30.18	52	68	45	47	45	46.0	N.	N.	8	13	C.	F.		0.00
Saturday, 6,	30.18	59	69	49	48	47	45.0	W.	S. W.	10	9	O.	O.		0.00
Week, - -	30.03		68	50			78.0								0.65

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 18 smaller towns of Massachusetts, as reported to the State Board of Health for the month of May.

The total death-rate of reporting towns for the month was 20.66.

Towns.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	La Grippe.	Typhoid Fever.
Stoneham, ...	6,035	10	0	..	1	2	2	..
Middleborough, ...	5,233	15	3	..	4	..	..	..
Westborough, ...	5,195	7	0	..	1	2	..	..
West Springfield, . . .	5,077	12	0	1	1	1	3	1
Concord, ...	4,457	4	1	..	1	..	..	..
Easton, ...	4,439	14	2	1	..	4	..	..
Hingham, ...	4,375	6	1	..	..	1	..	..
Williamstown, ...	4,221	2	0	..	..	1	..	..
Hudson, ...	4,185	7	1	1	1	1	..	..
Wrentham, ...	2,892	1	0	..	..	..	..	..
Merrimac, ...	2,492	6	1	..	2	3	..	..
Dalton, ...	2,325	2	0	..	..	..	..	..
Groton, ...	2,037	5	0	..	1	..	..	..
Norton, ...	1,785	2	0	..	2	..	..	..
Shrewsbury, ...	1,450	1	0	..	..	..	..	..
Truro, ...	972	3	0	..	..	..	..	..
Russell, ...	879	1	0	..	..	..	..	..
Burlington, ...	604	3	0	..	..	..	..	..
Total of reporting towns, . .	58,653	101	9	3	14	15	5	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 13, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of May.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 23.

STATE BOARD OF HEALTH.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 13, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Boston,	448,477	172	47	8	32	3	3	..
Worcester,	84,655	18	6	1	4	..	1	..
Lowell,	77,696	30	12	7	2	6	..	..
Fall River,	74,398	29	12	2	9	1	..	..
Cambridge,	70,028	10	5	1	1	..	1	..
Lynn,	55,727	21	8	2	2	..	2	..
Lawrence,	44,654	19	5	2	5	1	1	..
Springfield,	44,179	9	2	1	..	..	..	1
New Bedford,	40,733	14	5	1	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	7	2	1	..	..	..	..
Chelsea,	27,909	12	8	..	3	..	..	..
Haverhill,	27,412	7	1	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	9	0	..	..	..	..	..
Gloucester,	24,651	8	1	1	..	..	..	1
Newton,	24,379	..	..	..	..	..	..	..
Malden,	23,031	6	1	..	..	..	..	..
Fitchburg,	22,037	4	3	..	..	..	..	..
Waltham,	18,707	4	2	..	..	..	..	..
Pittsfield,	17,281	2	1	..	..	..	..	..
Quincy,	16,723	6	2	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	9	2	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	2	0	..	..	..	..	..
Peabody,	10,158	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,209,763	400	125	27	61	12	8	2

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 12; diphtheria and croup, 8; measles, 2; erysipelas, 2; scarlet-fever, 1; cerebro-spinal meningitis, 1; puerperal fever, 1.

No deaths were reported from small-pox, whooping-cough and malarial fever.

There were 61 deaths from acute lung diseases; consumption, 51; and still-births, 31.

From erysipelas: Boston and Salem, 1. From scarlet-fever: Boston, 1. From cerebro-spinal meningitis: Fall River 1. From puerperal fever: Lowell, 1.

Deaths from the principal infectious diseases numbered 27 against 30 for the preceding week.

Deaths under five years of age numbered 125 against 103 for the preceding week.

Cases reported in Boston: measles, 44; scarlet-fever, 19; diphtheria, 9; and typhoid fever, 7.

The death-rates for the week were: Boston, 19.94; Worcester, 11.04; Lowell, 20.07; Fall River, 20.26; Cambridge, 7.42; Lynn, 19.59; Lawrence, 22.12; Springfield, 10.59; New Bedford, 17.87; Somerville, ——; Holyoke, ——; Salem, 11.81; Chelsea, 22.35; Haverhill, 13.27; Brockton, ——; Taunton, 18.39; Gloucester, 16.84; Newton, ——; Malden, 13.54; Fitchburg, 9.45; Waltham, 11.11; Pittsfield, 6.01; Quincy, 18.65; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 33.55; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 17.19 against 16.96 and 21.12 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 13, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 7,	30.09	61	70	52	61	61		61.0	W.	S. W.		4	9		C.	C.			0.00
Monday, 8,	30.10	68	83	53	40	37		38.0	N. W.	W.		9	6		H.	C.			0.00
Tuesday, 9,	30.08	72	84	60	49	46		47.0	W.	S. W.		12	4		C.	C.			0.00
Wednes'y, 10,	30.06	72	85	60	56	66		61.0	W.	S. W.		2	17			C.			0.00
Thursday, 11,	29.98	76	89	62	70	62		66.0	S. W.	S. W.		10	17		F.	C.			0.00
Friday, 12,	29.92	74	84	64	74	45		60.0	W.	W.		10	14		O.	F.			Trace.
Saturday, 13,	30.07	71	82	60	54	62		58.0	N.	S. W.		10	10		C.	O.			0.00
Week, - -	30.04		82	59				56.0											0.00

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	166	31	197	Maple Syrup,	1	4	5
Butter,	10	12	22	Canned Goods,	8	48	56
Cheese,	1	..	1	Honey,	1	1	2
Lard,	..	..	..	Tea,	7	..	7
Olive Oil,	2	2	4	Coffee,	8	3	11
Vinegar,	1	1	2	Cocoa,	..	..	..
Spices,	39	14	53	Confectionery,	2	..	2
Cream of Tartar,	26	7	33	Other articles of Food and Drinks,	5	5	10
Molasses,	4	1	5	Drugs,	12	10	22
Syrups,	..	..	..				
Maple Sugar,	2	..	2	Totals,	295	139	434

Percentage of adulteration, 32.0. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the legal standard was but 15.7 per cent. The number of samples which contained between 12 and 13 per cent. of solids was 72, or 36.6 per cent., the standard for the months of May and June being only 12 per cent. of solids.

Twenty-three complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. In six cases the complaints were for violation of the laws relating to Milk. In seven Coffee, in five Cream of Tartar, in three Pepper, in one Mustard, in one Maple Syrup.

The complaints resulted in conviction in all cases except two, and in these the parties had removed from the State. Fines were imposed to the amount of $564.35.

The samples of drugs found to be adulterated were Tincture of Opium and Olive Oil.

The cities and towns from which articles were collected for examination were Boston, Fall River, Lawrence, Holyoke, Northampton, Taunton, Gloucester, Lowell, Cambridge, Marlborough, Newton, Waltham, New Bedford, Salem, Springfield, Chicopee, Montague, Revere and Brookline.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 20, 1891.

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STATE BOARD OF HEALTH.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 20, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	210	63	20	27	10	2	5
Worcester,	84,655	27	12	6	2	2	..	1
Lowell,	77,696	37	17	12	6	8	1	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	26	13	4	3	3	..	1
Lynn,	55,727	14	5	..	1	..	..	..
Lawrence,	44,654	18	8	2	2	2	..	..
Springfield,	44,179	16	2	2	3	2	..	..
New Bedford,	40,733	15	2	..	1	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	15	5	..	1	..	..	..
Chelsea,	27,909	12	5	1	2	..	..	1
Haverhill,	27,412	12	5	1	3	..	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	4	1	..	..	..	..	..
Gloucester,	24,651	11	3	2	..	1	..	..
Newton,	24,379	3	0	..	..	..	..	..
Malden,	23,031	10	3	1	1	1	..	..
Fitchburg,	22,037	5	2	..	..	..	..	..
Waltham,	18,707	4	0	..	1	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	7	1	..	4	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	3	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	6	0	..	..	..	..	..
Peabody,	10,158	4	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,152,621	462	151	51	57	29	3	9

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-one deaths were reported from the principal infectious diseases: diarrhœal diseases, 29; diphtheria and croup, 9; typhoid fever, 3; measles, 3; cerebro-spinal meningitis, 3; erysipelas, 2; scarlet-fever, 1; puerperal fever, 1.

No deaths were reported from small-pox, malarial fever and whooping-cough.

There were 57 deaths from consumption; acute lung diseases, 53; and still-births, 36.

From measles: Boston, Worcester and Lowell, 1 each. From cerebro-spinal meningitis: Worcester, 2; Gloucester, 1. From erysipelas: Boston and Lowell, 1 each. From scarlet-fever: Lowell, 1. From puerperal fever: Boston, 1.

Deaths from the principal infections diseases numbered 51 against 27 for the preceding week.

Deaths under five years of age numbered 151 against 125 for the preceding week.

Cases reported in Boston: measles, 44; scarlet-fever, 25; typhoid fever, 13; and diphtheria, 7.

The death-rates for the week were: Boston, 24.34; Worcester, 16.57; Lowell, 24.75; Fall River, ——; Cambridge, 19.30; Lynn, 13.06; Lawrence, 20.95; Springfield, 19.83; New Bedford, 19.14; Somerville, ——; Holyoke, ——; Salem, 25.32; Chelsea, 22.35; Haverhill, 22.76; Brockton, ——; Taunton, 8.17; Gloucester, 23.16; Newton, 6.39; Malden, 22.57; Fitchburg, 11.78: Waltham, 11.11; Pittsfield, ——; Quincy, 21.76; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 7.45; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.84 against 17.19 and 16.96 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 20, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 14,	30.01	75	88	63	57	44	50.0	W.	W.	9	10	F.	C.		0.00
Monday, 15,	29.91	81	95	67	53	51	52.0	W.	W.	11	3	C.	C.		0.00
Tuesday, 16,	29.79	85	96	73	46	57	51.0	W.	W.	12	10	F.	O.		0.00
Wednes'y, 17,	29.87	61	69	53	81	97	89.0	N.E.	N.E.	20	18	O.	R.		Trace.
Thursday, 18,	29.90	51	53	49	90	100	95.0	N.E.	N.E.	24	12	R.	R.		0.82
Friday, 19,	29.84	54	59	50	97	100	98.0	N.E.	E.	11	10	R.	R.		0.06
Saturday, 20,	29.92	57	60	54	100	100	100.0	N.E.	N.E.	7	4	O.	O.		0.14
Week, - -	29.89		74	58			76.0								1.02

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, June 27, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 25.

STATE BOARD OF HEALTH.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 27, 1891.

Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Cerebro-Spinal-Meningitis.
Boston,	448,477	150	54	14	29	5	4	1
Worcester,	84,655	16	11	4	..	2	..	2
Lowell,	77,696	28	16	9	3	8	1	..
Fall River,	74,398	32	15	7	4	7	..	..
Cambridge,	70,028	17	9	4	2	4	..	..
Lynn,	55,727	18	5	2	1	2	..	..
Lawrence,	44,654	13	4	4	3	3	..	..
Springfield,	44,179	13	3	3	..	3	..	..
New Bedford,	40,733	10	4	2	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	9	4	1	..	1	..	..
Chelsea,	27,909	11	7	1	..	..	..	..
Haverhill,	27,412	10	9	7	..	4	2	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	2	0	..	..	..	..	..
Gloucester,	24,651	8	0	..	1	..	..	..
Newton,	24,379	4	0	..	..	..	..	..
Malden,	23,031	7	1	2	1	..	..	2
Fitchburg,	22,037	3	0	..	1	..	..	..
Waltham,	18,707	5	1	..	..	..	..	..
Pittsfield,	17,281	4	3	1	1	..	..	..
Quincy,	16,723	6	2	1	..	..	..	1
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	3	1	..	..	1	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	2	0	2	..	..	1	..
Hyde Park,	10,193	4	0	..	1	..	..	..
Peabody,	10,158	0	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Cerebro-Spinal-Meningitis.
Total of reporting towns,	1,254,724	378	151	65	48	40	9	6

DEATHS FROM PREVALENT DISEASES IN THE 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 40; diphtheria and croup, 9; cerebro-spinal meningitis, 6; measles, 3; erysipelas and typhoid fever, each 2; scarlet-fever, whooping-cough and puerperal fever, each 1.

No deaths were reported from small-pox and malarial fever.

There were 48 deaths from consumption; acute lung diseases, 44; and still-births, 31.

From measles: Boston, Haverhill and Clinton, 1 each. From erysipelas: Boston and Chelsea, 1 each. From typhoid fever, Boston and Lawrence, 1 each. From scarlet-fever: New Bedford, 1. From whooping-cough, Boston, 1. From puerperal fever: Pittsfield, 1.

Deaths from the principal infections diseases numbered 65 against 51 for the preceding week.

Deaths under five years of age numbered 151 the same as for the preceding week.

Cases reported in Boston: measles, 42; scarlet-fever, 14; diphtheria, 11; and typhoid fever, 10.

The death-rates for the week were: Boston, 17.39; Worcester, 13.54; Lowell, 18.73; Fall River, 22.36; Cambridge, 12.62; Lynn, 16.79; Lawrence, 15.23; Springfield, 15.30; New Bedford, 12.76; Somerville, ——; Holyoke, ——; Salem, 15.19; Chelsea, 20.49; Haverhill, 18.96; Brockton, ——; Taunton, 4.08; Gloucester, 16.84; Newton, 17.06; Malden, 9.03; Fitchburg, 16.51; Waltham, 13.89; Pittsfield, 12.03; Quincy, 18.65; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 15.66 against 20.84 and 17.19 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 27, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.94	62	67	58	89	92	90.0	N.	E.	4	6	O.	O.		0.00
Monday, 22,	29.82	62	65	60	100	97	98.0	E.	N. W.	12	8	R.	O.		1.39
Tuesday, 23,	29.78	68	78	58	86	56	71.0	N. E.	W.	5	11	O.	C.		0.00
Wednes'y, 24,	29.88	68	74	62	60	65	62.0	N. W.	N. W.	20	14	C.	F.		0.00
Thursday, 25,	29.89	66	74	57	70	69	70.0	N. W.	S. E.	8	11	C.	C.		0.00
Friday, 26,	29.82	66	71	61	78	81	80.0	E.	E.	6	3	F.	O.		0.00
Saturday, 27,	29.79	60	65	55	61	64	63.0	N. W.	N. W.	18	12	O.	O.		Trace.
Week. - -	29.85		71	59			76.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, July 4, 1891.

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MORTALITY OF MASSACHUSETTS

For the Week ending July 4, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	143	54	18	22	14	1	3
Worcester,	84,655	14	11	3	1	3	..	..
Lowell,	77,696	38	22	15	6	14	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	23	7	1	6	..	..	..
Lynn,	55,727	12	3	1	..	..	..	1
Lawrence,	44,654	25	7	5	..	4	1	..
Springfield,	44,179	13	2	1	4	1	..	..
New Bedford,	40,733	13	4	3	2	3	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	8	2	2	..	..	1	1
Chelsea,	27,909	13	5	..	2	..	..	..
Haverhill,	27,412	9	3	5	1	..	..	5
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	6	2	2	1	1	..	..
Gloucester,	24,651	2	0	..	..	..	..	..
Newton,	24,379	7	1	..	1	..	..	..
Malden,	23,031	6	1	..	2	..	..	..
Fitchburg,	22,037	2	2	..	..	..	..	..
Waltham,	18,707	6	1	..	1	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	5	2	1	..	..	..	1
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	6	2	1	2	..	..	1
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	1	1	..	..	..	..	..
Peabody,	10,158	1	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,151,542	353	133	58	51	40	3	12

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-eight deaths were reported from the principal infectious diseases: diarrhœal diseases, 40; diphtheria and croup, 12; typhoid fever, 3; scarlet-fever, 2; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox, malarial fever, measles, whooping-cough, puerperal fever, and erysipelas.

There were 51 deaths from consumption; acute lung diseases, 27; and still-births, 30.

From scarlet-fever: Lowell and Cambridge 1. From cerebro-spinal meningitis: Taunton 1.

Deaths from the principal infectious diseases numbered 58 against 65 for the preceding week.

Deaths under five years of age numbered 133 against 151 for the preceding week.

Cases reported in Boston: measles, 25; scarlet-fever, 16; diphtheria, 15; and typhoid fever, 7.

The death-rates for the week were: Boston, 16.58; Worcester, 8.59; Lowell, 25.42; Fall River, ——; Cambridge, 17.07; Lynn, 11.19; Lawrence, 29.11; Springfield, 15.30; New Bedford, 16.59; Somerville, ——; Holyoke, ——; Salem, 13.50; Chelsea, 24.21; Haverhill, 17.07; Brockton, ——; Taunton, 12.26; Gloucester, 4.21; Newton, 14.93; Malden, 13.54; Fitchburg, 4.71; Waltham, 16.67; Pittsfield, ——; Quincy, 15.54; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 22.36; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 15.94 against 15.66 and 20.84 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 4, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
June. Sunday, 28,	29.79	61	66	56	61	62	61.0	N. W.	N. W.	14	10	O.	O.		0.00
Monday, 29,	29.80	65	75	55	70	70	70.0	W.	N. E.	12	11	O.	O.		Trace.
Tuesday, 30,	29.96	60	64	56	78	81	80.0	N. E.	E.	9	9	O.	C.		0.00
July. Wednes'y, 1,	30.08	65	73	57	75	82	78.0	S. E.	S. E.	5	8	C.	C.		0.00
Thursday, 2,	30.06	64	70	58	72	87	80.0	S. W.	S. W.	4	9	O.	O.		Trace.
Friday, 3,	29.91	66	75	57	84	73	78.0	W.	S.	7	12	O.	C.		0.00
Saturday, 4,	29.76	69	78	60	87	54	69.0	S. W.	W.	11	10	O.	C.		0.57
Week. - -	29.91		71	57			74.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 13 smaller towns of Massachusetts, as reported to the State Board of Health for the month of June.

The total death-rate of reporting towns for the month was 12.94.

TOWNS.	ESTIMATED POPULATION.	Reported Deaths in each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	La Grippe.	Diarrhœal Diseases.
Stoneham, ...	6,035	2	0	..	..	1	..	..
Middleborough, . . .	5,233	10	1	2	4	2	..	1
Westborough, ...	5,195	9	0	..	1	..	..	..
West Springfield, . . .	5,077	1	0	..	..	..	1	..
Concord, ...	4,457	6	1	1	1	1	..	1
Hingham, ...	4,375	4	0	..	..	..	1	..
Waltham, ...	2,892	3	1	..	..	..	..	..
Merrimac, ...	2,492	2	0	..	..	..	..	..
Dalton, ...	2,325	1	0	..	..	1	..	..
Groton, ...	2,037	4	0	..	1	..	..	..
Shrewsbury, ...	1,450	1	0	..	..	..	..	..
Topsfield, ...	1,022	2	0	..	..	..	..	..
Truro, ...	972	2	1	..	1	..	..	..
		..	..	..	..	..	..	..
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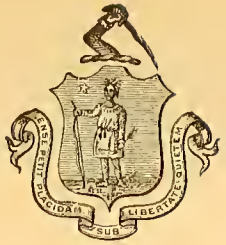
Total of reporting towns, . .	43,562	47	4	3	8	5	2	2



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 11, 1891.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of June.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 27.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 11, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Boston,	448,477	180	66	21	30	18	1	..
Worcester,	84,655	21	8	2	..	2	..	..
Lowell,	77,696	52	29	26	5	24	..	1
Fall River,	74,398	61	50	30	5	27	..	3
Cambridge,	70,028	35	23	16	3	14	..	..
Lynn,	55,727	11	7	3	1	..	1	..
Lawrence,	44,654	23	10	3	5	3	..	..
Springfield,	44,179	14	8	8	2	7	..	..
New Bedford,	40,733	9	6	4	..	3	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	5	3	1	..	1	..	..
Chelsea,	27,909	9	4	2	2	1	..	..
Haverhill,	27,412	11	4	3	2	2	1	..
Brockton,	27,294	..	...	..	..	..	..	..
Taunton,	25,445	6	1	..	..	..	..	..
Gloucester,	24,651	3	0	..	..	..	..	..
Newton,	24,379	10	3	..	1	..	..	..
Malden,	23,031	3	0	..	1	..	..	..
Fitchburg,	22,037	5	2	2	1	2	..	..
Waltham,	18,707	5	0	1	..	..	1	..
Pittsfield,	17,281	3	1	1	1	..	..	1
Quincy,	16,723	1	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	1	1	..	1	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	1	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	2	0	..	2	..	..	..
Peabody,	10,158	0	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,244,300	472	228	124	61	105	4	5

DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and twenty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 105; measles, 5; diphtheria and croup, 4; cerebro-spinal meningitis, 4; typhoid fever, 2; malarial fever, erysipelas, whooping-cough and scarlet-fever, each 1.

No deaths were reported from small-pox and puerperal fever.

There were 61 deaths from consumption; acute lung diseases, 23; and still-births, 32.

From cerebro-spinal meningitis: Boston and Chelsea, 1 each; Lynn, 2. From typhoid fever: Boston and Springfield, 1 each. From malarial fever: New Bedford, 1. From erysipelas: Cambridge, 1. From whooping-cough: Cambridge, 1. From scarlet-fever: Lowell, 1.

Deaths from the principal infectious diseases numbered 124 against 58 for the preceding week.

Deaths under five years of age numbered 228 against 133 for the preceding week.

Cases reported in Boston: typhoid fever, 10; diphtheria, scarlet-fever, and measles, each 8.

The death-rates for the week were: Boston, 20.89; Worcester, 12.89; Lowell, 34.81; Fall River, 42.62; Cambridge, 24.98; Lynn, 10.26; Lawrence, 26.78; Springfield, 16.47; New Bedford, 11.48; Somerville, ——; Holyoke, ——; Salem, 8.44; Chelsea, 16.76; Haverhill, 20.86; Brockton, ——; Taunton, 12.26; Gloucester, 6.31; Newton, 21.32; Malden, 6.77; Fitchburg, 11.79; Waltham, 13.89; Pittsfield, 9.00; Quincy, 3.10; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 7.45; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 19.64 against 15.94 and 15.66 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 11, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	29.80	68	75	61	60	65	63.0	S.W.	W.	11	8	C.	C.		0.09
Monday, 6,	29.83	66	72	59	60	55	58.0	W.	W.	20	9	O.	C.		0.00
Tuesday, 7,	29.81	66	74	58	61	92	76.0	W.	E.	10	12	O.	R.		0.15
Wednes'y, 8,	29.83	65	71	60	82	64	73.0	W.	S.W.	12	9	O.	O.		0.52
Thursday, 9,	30.03	63	67	59	78	74	76.0	N.E.	N.E.	11	4	O.	O.		Trace.
Friday, 10,	30.25	67	77	57	54	48	51.0	N.W.	S.	7	10	C.	C.		0.00
Saturday, 11,	30.27	71	80	62	53	53	53.0	W.	S.	3	14	C.	F.		0.00
Week, - -	29.96		74	61			64.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	244	38	282	Maple Syrup,	2	3	5
Butter,	12	4	16	Canned Goods,	1	22	23
Cheese,	3	..	3	Honey,	4	..	4
Lard,	2	..	2	Tea,	10	..	10
Olive Oil,	3	1	4	Coffee,	13	12	25
Vinegar,	3	..	3	Cocoa,	1	..	1
Spices,	100	20	120	Confectionery,	1	..	1
Cream of Tartar,	45	4	49	Other articles of Food and Drinks,	11	..	11
Molasses,	15	2	17	Drugs,	36	5	41
Syrups,	1	..	1				
Maple Sugar,	..	..	..	Totals,	507	111	618

Percentage of adulteration, 17.96. The actual ratio of adulteration is very much less than this, since it is only suspicions articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The percentage of samples of milk found to be below the standard was unusually low. Seven for the month of June. Had the standard been uniformly 13 per cent. of solids throughout the year, the percentage of samples of milk found to be below the standard would have been 55.3.

Eight complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violation of statutes in regard to the sale of Milk, Maple Syrup, Cream of Tartar, Pepper, Coffee and Honey.

The samples of drugs found to be adulterated were Potassium, Iodide, Olive Oil and Olives.

The cities and towns from which samples of food were collected were Boston, Lowell, Cambridge, Salem, New Bedford, Springfield, Chicopee, Pittsfield, Northampton, Fall River, Worcester, Quincy, Brockton, Haverhill, Newburyport, Somerville, Acton, Framingham, Beverly, North Adams, Great Barrington, Randolph, Hyde Park and Brookline.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 18, 1891.

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MORTALITY OF MASSACHUSETTS

For the Week ending July 18, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Boston,	448,477	207	108	54	17	51	2	..
Worcester,	84,655	38	16	15	..	13	..	1
Lowell,	77,696	54	36	26	5	24	1	..
Fall River,	74,398	53	..	25	4	24	..	..
Cambridge,	70,028	39	20	15	2	12	1	2
Lynn,	55,727	15	3	1	1	1	..	..
Lawrence,	44,654	24	13	10	..	9	..	1
Springfield,	44,179	22	12	10	3	8	..	1
New Bedford,	40,733	18	10	3	..	2	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	9	4	1	1	1	..	..
Chelsea,	27,909	14	6	2	1	1	..	1
Haverhill,	27,412	20	13	7	..	5	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	3	3	1	3	..	..
Gloucester,	24,651	7	4	2	..	..	..	..
Newton,	24,379	12	7	5	1	4	1	..
Malden,	23,031	6	1	1	1	..	1	..
Fitchburg,	22,037	10	3	1	..	..	1	..
Waltham,	18,707	5	2	1	2	1	..	..
Pittsfield,	17,281	3	3	..	..	..	..	..
Quincy,	16,723	6	4	1	1	1	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	2	2	..	2	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	5	1	1	1	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	2	..	..	..	..	..
Peabody,	10,158	8	3	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,244,300	591	276	186	42	162	7	6

DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty-six deaths were reported from the principal infectious diseases: diarrhœal diseases, 162; diphtheria and croup, 7; measles, 6; cerebro-spinal meuingitis, 4; typhoid fever, 4; whooping-cough, 2; scarlet-fever, 1.

No deaths were reported from small-pox, malarial fever, erysipelas aud puerperal fever.

There were 42 deaths from consumption; acute luug diseases, 33; and still-births, 29.

From typhoid fever: Boston, Lowell, Haverhill and Medford, 1 each. From cerebro-spiual meniugitis: Gloucester, 2; Worcester and Haverhill, 1 each. From whoopiug-cough: Fall River and New Bedford, 1 each. From scarlet-fever: Spriugfield, 1.

Deaths from the principal iufectious diseases uumbered 186 against 124 for the preceding week.

Deaths under five years of age numbered 276 against 228 for the preceding week.

Cases reported in Boston: scarlet-fever, 20; typhoid fever, 14; diphtheria, 7; and measles, 6.

The death-rates for the week were: Boston, 24.00; Worcester, 23.33; Lowell, 36.12; Fall River, 37.03; Cambridge, 28.95; Lynu, 13.99; Lawrence, 27.94; Springfield, 25.89; New Bedford, 22.97; Somerville, ——; Holyoke,——; Salem, 15.19; Chelsea, 26.08; Haverhill, 37.93; Brocktou, ——; Tauuton, 14.30; Gloucester, 14.74; Newton, 25.59; Malden, 13.54; Fitchburg, 23.59; Waltham, 13.89; Pittsfield, 9.02; Quincy, 18.65; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

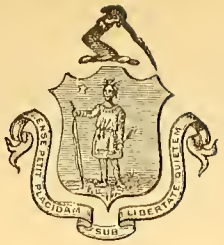
The total death-rate for the week was 24.96 against 19.64 and 15.94 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 18, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.13	66	74	58	82	88	86.0	N. W.	S. W.	3	13	O.	C.		0.00
Monday, 13,	30.10	72	77	68	69	61	65.0	W.	S. W.	10	12	C.	C.		0.00
Tuesday, 14,	30.00	79	88	69	69	68	75.0	S. W .	S. W.	16	12	C.	O.		Trace.
Wednes'y, 15,	29.90	77	84	70	70	80	81.0	S. W.	S.	16	14	O.	O.		Trace.
Thursday, 16,	29.95	77	84	71	71	78	67.0	W.	W.	10	10	O.	F.		0.00
Friday, 17,	30.07	72	81	62	62	51	57.0	W.	S. W.	6	12	O.	C.		0.00
Saturday, 18,	30.00	70	76	64	64	56	76.0	S. W.	S. E.	6	12	O.	R.		0.05
Week, - -	30.02		71	66			73.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threateniug; N., Snow.



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MORTALITY OF MASSACHUSETTS

For the Week ending July 25, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

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				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Measles.
Boston,	448,477	281	157	96	31	90	4	..
Worcester,	84,655	40	27	22	2	20	..	..
Lowell,	77,696	40	24	18	3	17	1	..
Fall River,	74,398	55	37	24	8	23	..	1
Cambridge,	70,028	42	30	23	5	20	1	..
Lynn,	55,727	13	7	7	2	4	1	..
Lawrence,	44,654	29	23	14	1	14	..	..
Springfield,	44,179	28	15	19	1	18	1	..
New Bedford,	40,733	17	8	4	..	4	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	16	10	6	..	6	..	..
Chelsea,	27,909	4	3	..	..	..	..	..
Haverhill,	27,412	12	7	3	3	3	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	3	3	1	..	..	..	..
Gloucester,	24,651	3	0	1	..	..	..	..
Newton,	24,379	4	2	2	1	1	..	..
Malden,	23,031	6	5	3	..	2	..	1
Fitchburg,	22,037	5	2	1	..	1	..	..
Waltham,	18,707	3	1	1	..	1	..	..
Pittsfield,	17,281	3	2	..	..	..	..	..
Quincy,	16,723	6	1	1	2	1	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	3	1	1	..	1	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	5	2	3	..	2	..	1
Peabody,	10,158	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Measles.
Total of reporting towns,	1,233,221	620	368	250	59	228	8	3

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and fifty deaths were reported from the principal infectious diseases: diarrhœal diseases, 228; typhoid fever, 8; cerebro-spinal meningitis, 5; measles, 3; diphtheria and croup, 2; whooping-cough, 2; erysipelas, 2.

No deaths were reported from small-pox, malarial fever, scarlet-fever and puerperal fever.

There were 59 deaths from consumption; acute lung diseases, 17; and still-births, 34.

From cerebro-spinal meningitis: Lynn, 2; Worcester, Taunton and Newton, 1 each. From diphtheria and croup: Worcester and Gloucester, 1 each. From whooping-cough: Cambridge, 2. From crysipelas: Boston, 2.

Deaths from the principal infectious diseases numbered 250 against 186 for the preceding week.

Deaths under five years of age numbered 368 against 276 for the preceding week.

The death-rates for the week were: Boston, 32.58; Worcester, 24.56; Lowell, 26.76; Fall River, 38.43; Cambridge, 31.18; Lynn, 12.13; Lawrence, 33.76; Springfield, 32.95; New Bedford, 21.70; Somerville, ——; Holyoke,——; Salem, 27.00; Chelsea, 7.45; Haverhill, 22.76; Brockton, ——; Taunton, 6.13; Gloucester, 6.31; Newton, 8.53; Malden, 13.54; Fitchburg, 11.79; Waltham, 8.33; Pittsfield, 9.02; Quincy, 18.65; North Adams, ——; Northamptou, ——; Chicopee, ——; Newburyport, 11.18; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 26.41 against 24.96 and 19.64 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 25, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	29.92	75	84	65	84	66	75.0	S. W.	S. W.	16	12	O.	O.		0.22
Monday. 20,	30.16	72	77	67	60	88	74.0	S. W.	S. W.	2	15	O	O.		0.00
Tuesday, 21,	30.25	71	79	64	81	87	84.0	W.	E.	6	6	F.	C.		0.00
Wednes'y, 22,	30.37	68	76	61	67	67	67.0	N.	S. W.	3	9	C.	F.		0.00
Thursday, 23,	30.31	69	80	59	71	60	66.0	S.	S.	8	9	C.	C.		0.00
Friday, 24,	30.01	66	74	59	81	95	88.0	S.	S. W.	12	5	O.	O.		0.64
Saturday, 25,	29.89	76	84	67	70	81	75.0	S. W.	S. W.	12	8	C.	O.		0.00
Week, - -	30.13		79	63			76.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 1, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 30.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 1, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup
Boston,	448,477	276	172	106	32	100	1	2
Worcester,	84,655	27	20	11	2	8	..	1
Lowell,	77,696	48	21	21	8	19	2	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	49	28	18	8	16	1	..
Lynn,	55,727	28	13	16	5	12	1	1
Lawrence,	44,654	14	8	5	1	5	..	..
Springfield,	44,179	26	13	14	4	13	..	..
New Bedford,	40,733	28	19	16	1	15	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	22	13	12	2	12	..	..
Chelsea,	27,909	18	13	1	1	1	..	..
Haverhill,	27,412	16	8	6	2	3	..	3
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	9	5	5	..	3	..	..
Gloucester,	24,651	4	1	..	..	..	..	..
Newton,	24,379	5	3	1	..	1	..	..
Malden,	23,031	13	6	5	1	4	..	..
Fitchburg,	22,037	6	4	3	1	3	..	..
Waltham,	18,707	6	0	..	1	..	..	..
Pittsfield,	17,281	3	1	1	1	1	..	..
Quincy,	16,723	16	12	9	..	8	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	9	4	2	..	1	..	1
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	3	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	4	2	2	..	2	..	..
Hyde Park,	10,193	3	1	1	..	1	..	..
Peabody,	10,158	3	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,180,326	637	371	255	71	228	5	8

DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and fifty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 228; cerebro-spinal meningitis, 9; diphtheria and croup, 8; typhoid fever, 5; whooping-cough, 2; puerperal fever, scarlet-fever and measles, 1 each.

No deaths were reported from small-pox and malarial fever.

There were 71 deaths from consumption; acute lung diseases, 17; and still-births, 31.

From cerebro-spinal meningitis: Boston, Worcester and Taunton, 2 each; New Bedford, Malden and Quincy, 1 each. From whooping-cough: Lynn and Springfield, 1 each. From puerperal fever: Boston, 1. From scarlet-fever: Lynn, 1. From measles: Cambridge, 1.

Deaths from the principal infectious diseases numbered 255 against 250 for the preceding week.

Deaths under five years of age numbered 371 against 368 for the preceding week.

The death-rates for the week were: Boston, 32.00; Worcester, 16.57; Lowell, 32.11; Fall River, ——; Cambridge, 36.38; Lynn, 26.12; Lawrence, 16.30; Springfield, 30.60; New Bedford, 35.74; Somerville, ——; Holyoke, ——; Salem, 37.13; Chelsea, 33.53; Haverhill, 30.35; Brockton, ——; Taunton, 18.39; Gloucester, 8.42; Newton, 10.66; Malden, 29.34; Fitchburg, 14.15; Waltham, 16.67; Pittsfield, 9.02; Quincy, 49.74; Northampton, ——; Chicopee, ——; Newburyport, 33.53; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 28.06 against 26.41 and 24.96 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 1, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
July Sunday, 26,	29.94	69	75	63	54	75	65.0	N.	S.	8	10	C.	C.		0.00
Monday, 27,	29.96	67	75	59	67	49	58.0	N.W.	W.	11	8	F.	C.		0.00
Tuesday, 28,	30.06	66	77	56	45	65	55.0	S.W.	S.W.	7	12	C.	O.		0.00
Wednes'y, 29,	30.07	62	66	59	87	94	91.0	S.W.	E.	6	12	R.	O.		0.53
Thursday, 30,	29.89	62	66	59	89	100	94.0	N.E.	E.	9	14	O.	R.		Trace.
Friday, 31,	29.86	64	71	57	95	57	76.0	N.W.	N.W.	5	7	R.	C.		0.91
Aug. Saturday, 1,	29.79	66	78	54	55	70	62.0	W.	S.W.	8	13	F.	O.		0.00
Week, - -	29.94		72	58			71.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 17 smaller towns of Massachusetts, as reported to the State Board of Health for the month of July.

The total death-rate of reporting towns for the month was 15.17.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Acute Lung Diseases.	Diarrhœal Diseases.	Scarlet-Fever.
Stoneham,	6,035	3	0	..	1	..	..	..
Middleborough,	5,233	4	0	1	1	..	..	1
Westborough,	5,195	6	0	..	..	2	..	..
West Springfield,	5,077	2	0	1	..	..	1	..
Concord,	4,457	4	2	1	..	..	1	..
Easton,	4,439	8	1	..	2	..	..	..
Hingham,	4,375	13	2	1	1	1	..	1
Hudson,	4,185	11	4	1	2	..	..	..
Wrentham,	2,892	1	0	..	..	..	..	..
Merrimac,	2,492	3	0	1	..	..	..	..
Dalton,	2,325	3	1	1	..	..	..	1
Groton,	2,037	2	0	..	..	1	..	..
Norton,	1,785	1	0	..	1	..	..	..
Conway,	1,451	2	1	..	..	..	..	..
Topsfield,	1,022	3	0	..	..	..	..	..
Truro,	972	0	0	..	..	..	..	..
Burlington,	617	3	1	..	1	..	..	..
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Total of reporting towns,	54,589	69	12	7	9	4	2	3

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 8, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of July.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 31.

STATE BOARD OF HEALTH.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 8, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	209	108	62	23	54	3	3
Worcester,	84,655	35	20	17	1	16	..	1
Lowell,	77,696	48	25	18	3	16	2	..
Fall River,	74,398	47	35	23	3	22	..	..
Cambridge,	70,028	23	16	10	..	9	..	..
Lynn,	55,727	26	17	2	3	..	1	..
Lawrence,	44,654	..	..	..	..	..	..	..
Springfield,	44,179	20	10	4	2	4	..	..
New Bedford,	40,733	25	18	3	..	3	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	17	9	6	..	6	..	..
Chelsea,	27,909	18	11	5	2	5	..	..
Haverhill,	27,412	19	12	6	2	3	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	10	5	4	1	2	..	..
Gloucester,	24,651	2	1	..	..	..	..	..
Newton,	24,379	7	3	..	..	..	..	..
Malden,	23,031	13	9	3	1	3	..	..
Fitchburg,	22,037	9	6	3	..	3	..	..
Waltham,	18,707	7	3	3	1	1	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	7	4	2	..	2	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	2	1	..	1	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	5	2	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	2	2	1	2	..	..
Peabody,	10,158	3	2	1	..	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,182,355	559	320	175	43	153	6	5

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventy-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 153; typhoid fever, 6; diphtheria and croup, 5; scarlet-fever, 4; cerebro-spinal meningitis, 3; whooping-cough, 3; measles, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 43 deaths from consumption; acute lung diseases, 21; and still-births, 21.

From scarlet-fever: Haverhill, 2; Fall River and Cambridge, 1 each. From cerebro-spinal meningitis: Taunton, 2; Waltham, 1. From whooping-cough: Boston, 2; Lynn, 1. From measles: Waltham, 1.

Deaths from the principal infectious diseases numbered 175 against 254 for the preceding week.

Deaths under five years of age numbered 320 against 371 for the preceding week.

The death-rates for the week were: Boston, 24.23; Worcester, 21.49; Lowell, 32.11; Fall River, 32.84; Cambridge, 17.07; Lynn, 24.26; Lawrence, ——; Springfield, 23.54; New Bedford, 31.91; Somerville, ——; Holyoke, ——; Salem, 28.69; Chelsea, 33.55; Haverhill, 36.04; Brockton, ——; Taunton, 20.43; Gloucester, 4.21; Newton, 14.93; Malden, 29.35; Fitchburg, 21.23; Waltham, 19.45; Pittsfield, ——; Quincy, 21.76; Northampton, ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 24.58 against 28.06 and 26.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 8, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.74	69	75	62	85	68	76.0	S.W.	N.W.	6	3	O.	F.		0.28
Monday, 3,	30.00	66	75	58	63	70	66.0	N.W.	S.	10	9	C.	F.		0.00
Tuesday, 4,	30.12	66	70	62	72	90	81.0	N.W.	N.E.	4	7	F.	O.		0.00
Wednes'y, 5,	30.18	64	69	58	82	90	86.0	N.	S.E.	4	4	O.	O.		0.00
Thursday, 6,	30.14	68	74	62	76	65	70.0	W.	S.W.	6	9	O.	C.		0.26
Friday, 7,	30.03	73	84	61	60	84	72.0	S.W.	S.	8	8	C.	O.		0.14
Saturday, 8,	29.95	74	86	62	69	58	63.0	N.W.	E.	8	3	C.	C.		0.22
Week. - -	30.02		76	61			73.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
*Milk,	134	121	267	Maple Syrup,	..	..	..
Butter,	4	3	7	Canned Goods,	..	..	..
Cheese,	..	..	..	Honey,	1	2	3
Lard,	..	..	..	Tea,	3	..	3
Olive Oil,	3	4	7	Coffee,	3	11	14
Vinegar,	7	..	7	Cocoa,	1	..	1
Spices,	64	4	68	Confectionery,	1	..	1
Cream of Tartar,	31	4	35	Other articles of Food and Drinks,	5	3	8
Molasses,	13	..	13	Drugs,	33	3	36
Syrups,	..	1	1				
Maple Sugar,	..	..	..	Totals,	303	156	471

* Twelve received too sour for analysis.

Percentage of adulteration, 33.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The percentage of samples of milk found to be below the standard was 47.5. The number of samples which contained between 12 and 13 per cent. of solids was 113. The standard for the month of July being 13 per cent. of solids.

Fifteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violating of statutes in regard to the sale of Milk, Coffee, Pepper and Mustard.

The samples of drugs found to be adulterated were Brandy and Red Wine.

The cities and towns from which samples were collected were: Boston, Beverly, Braintree, Everett, Falmouth, Gloucester, Harvard, Haverhill, Hudson, Lawrence, Lynn, Malden, Nantucket, Newton, Norwood, Onset, Provincetown, Salem, Waltham, Weston, Wood's Holl, Greenfield, Cottage City, Winthrop, Revere, South Framingham, Adams, North Adams, Marblehead, Great Barrington, Chester, Huntington and Springfield.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 15, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

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VOL. IX. No. 32.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 15, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	259	124	5	18	..	1	1
Worcester,	84,655	41	25	15	3	10	..	4
Lowell,	77,696	50	27	17	4	17	..	..
Fall River,	74,398	52	36	22	2	21	..	..
Cambridge,	70,028	33	14	11	3	9	1	1
Lynn,	55,727	29	19	15	2	13	..	..
Lawrence,	44,654	23	12	7	1	7	..	..
Springfield,	44,179	15	7	9	..	5	2	..
*New Bedford,	40,733	35	21	20	..	19	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	16	8	5	1	5	..	..
Chelsea,	27,909	13	5	..	1	..	..	..
Haverhill,	27,412	10	4	1	2	1	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	9	6	..	..	..	..	..
Newton,	24,379	9	3	1	1	1	..	..
Malden,	23,031	5	4	2	..	2	..	..
Fitchburg,	22,037	14	12	9	..	9	..	..
Waltham,	18,707	7	2	2	1	2	..	..
Pittsfield,	17,281	5	3	4	1	4	..	..
Quincy,	16,723	9	7	5	..	5	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	1	2	..	2	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	2	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	1	1	..	1	..	..	..
Peabody,	10,158	4	3	2	..	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,218,855	648	346	154	41	134	5	6

* Largest number of deaths since Board of Health was organized.

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and fifty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 134; diphtheria and croup, 6; typhoid fever, 5; puerperal fever, 3; whooping-cough, 2; cerebro-spinal meningitis, 2; scarlet-fever, 1; malarial fever, 1.

No deaths were reported from small-pox, measles and erysipelas.

There were 41 deaths from consumption; acute lung diseases, 20; and still-births, 30.

From puerperal fever: Boston, 2; Fall River, 1. From whooping-cough: Boston and Lynn, 1 each. From cerebro-spinal meningitis: Worcester and Lynn, 1 each. From scarlet-fever: Springfield, 1. From malarial fever: Springfield, 1.

Deaths from the principal infectious diseases numbered 154 against 175 for the preceding week.

Deaths under five years of age numbered 346 against 320 for the preceding week.

The death-rates for the week were: Boston, 30.03; Worcester, 25.17; Lowell, 33.55; Fall River, 36.33; Cambridge, 24.50; Lynn, 27.05; Lawrence, 26.78; Springfield, 17.65; New Bedford, 44.68; Somerville, ——; Holyoke, ——; Salem, 27.00; Chelsea, 24.21; Haverhill, 18.96; Brocktou, ——; Taunton, ——; Gloucester, 18.95; Newton, 19.19; Malden, 11.28; Fitchburg, 34.03; Waltham, 19.45; Pittsfield, 15.04; Quincy, 27.98; Northampton; ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

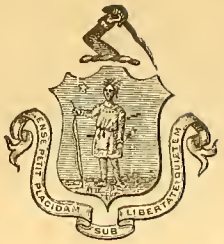
The total death-rate for the week was 27.64 against 24.58 and 28.06 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 15, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 9,	30.00	66	71	61	63	81	72.0	N. E.	E.	5	4	C.	F.		0.00
Monday, 10,	29.94	79	90	68	80	55	68.0	S. W.	W.	8	9	F.	C.		0.00
Tuesday, 11,	30.00	77	85	70	57	66	62.0	N.	S. W.	4	10	C.	F.		0.00
Wednes'y, 12,	29.85	81	90	72	77	82	80.0	W.	S. W.	12	16	C.	O.		0.14
Thursday, 13,	29.97	71	76	66	69	70	70.0	N.	S. E.	12	5	C.	C.		0.00
Friday, 14,	30.06	72	80	64	66	71	68.0	S. W.	S.	14	10	F.	O.		0.00
Saturday, 15,	30.04	66	71	62	77	95	86.0	S. E.	N. W.	14	5	O.	O.		0.45
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 22, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 22, 1891.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	226	104	55	28	49	1	3
Worcester,	84,655	26	12	8	4	4	..	1
Lowell,	77,696	38	24	10	1	9	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	28	11	9	8	9	..	..
Lynn,	55,727	23	15	17	1	13	1	1
Lawrence,	44,654	23	12	11	..	8	1	1
Springfield,	44,179	12	2	1	4	1	..	..
*New Bedford,	40,733	29	15	10	3	9	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	14	10	5	..	5	..	..
Chelsea,	27,909	9	4	2	2	2	..	..
Haverhill,	27,412	12	6	5	..	4	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	4	1	..	1	..	..	..
Newton,	24,379	7	4	2	1	2	..	..
Malden,	23,031	12	8	3	..	2	1	..
Fitchburg,	22,037	19	12	8	..	8	..	..
Waltham,	18,707	2	1	..	..	..	..	..
Pittsfield,	17,281	6	3	2	..	2	..	..
Quincy,	16,723	6	3	2	..	2	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	..	..	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	2	1	1	1	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,120,317	502	249	151	54	130	5	6

DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and fifty-one deaths were reported from the principal infectious diseases: diarrhœal diseases, 129; cerebro-spinal meningitis, 7; diphtheria and croup, 6; typhoid fever, 5; whooping-cough, 2; scarlet-fever, 1.

No deaths were reported from small-pox, puerperal fever, erysipelas and malarial fever.

There were 54 deaths from consumption; acute lung diseases, 16; and still-births, 29.

From cerebro-spinal meningitis: Worcester, 3; Lynn, 2; Lowell and New Bedford, 1 each. From whooping-cough: Boston, 2. From scarlet-fever: Lawrence, 1.

Deaths from the principal infections diseases numbered 151 against 154 for the preceding week.

Deaths under five years of age numbered 249 against 346 for the preceding week.

Cases reported in Boston: typhoid fever, 37; measles, 34; scarlet-fever, 9 and diphtheria, 3.

The death-rates for the week were: Boston, 26.20; Worcester, 15.96; Lowell, 26.20; Fall River, ——; Cambridge, 20.79; Lynn, 21.46; Lawrence, 26.78; Springfield, 14.12; New Bedford, 37.02; Somerville, ——; Holyoke, ——; Salem, 23.63; Chelsea, 16.76; Haverhill, 22.76; Brockton, ——; Taunton, ——; Gloucester, 8.42; Newton, 14.93; Malden, 27.09; Fitchburg, 44.83; Waltham, 5.55; Pittsfield, 18.05; Quincy, 18.65; Northampton; ——; Chicopee, ——; Newburyport, ——; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 23.30 against 27.64 and 24.58 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 22, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.07	64	68	59	94	80	87.0	N.	S. E.	10	7	O.	O.		Trace.
Monday, 17,	30.03	71	81	62	72	71	72.0	N. W.	S.	8	7	C.	C.		0.00
Tuesday, 18,	29.92	74	82	66	75	79	77.0	S. W.	S. W.	12	7	F.	O.		0.00
Wednes'y, 19,	29.98	67	70	64	78	82	80.0	N. E.	E.	12	7	C.	F.		0.00
Thursday, 20,	30.00	73	81	64	81	77	79.0	S. W.	S. W.	9	22	C.	C.		0.00
Friday, 21,	29.80	74	81	67	76	84	80.0	S.	S. W.	22	18	F.	F.		0.00
Saturday, 22,	29.83	79	86	72	93	83	88.0	S.	S. W.	14	8	O.	C.		0.53
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 29, 1891.

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MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 29, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

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				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	203	87	66	23	52	7	3
Worcester,	84,655	44	25	20	3	12	..	5
Lowell,	77,696	43	29	18	4	15	..	1
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	16	6	5	2	4	..	..
Lynn,	55,727	12	11	7	4	6	..	1
Lawrence,	44,654	22	12	9	2	9	..	..
Springfield,	44,179	24	7	5	3	4	..	..
*New Bedford,	40,733	15	9	6	..	6	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	20	14	12	..	10	1	1
Chelsea,	27,909	14	5	4	..	3	..	..
Haverhill,	27,412	14	5	1	2	1	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	6	2	3	..	2	..	..
Gloucester,	24,651	19	8	9	2	8	..	1
Newton,	24,379	7	2	3	1	3	..	..
Malden,	23,031	13	4	2	1	2	..	..
Fitchburg,	22,037	11	6	5	..	5	..	..
Waltham,	18,707	10	3	3	..	3	..	..
Pittsfield,	17,281	8	7	6	1	6	..	..
Quincy,	16,723	2	1	1	1	1	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	9	2	2	3	2	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	1	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	3	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,159,709	518	246	187	53	154	8	12

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty-seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 154; diphtheria and croup, 12; typhoid fever, 8; cerebro-spinal meningitis, 6; whooping-cough, 4; scarlet-fever, erysipelas and puerperal fever, each 1.

No deaths were reported from small-pox and malarial fever.

There were 53 deaths from consumption; still-births, 27; and acute lung diseases, 14.

From cerebro-spiual meningitis: Worcester, 2; Boston, Cambridge, Chelsea and Taunton, each 1. From whooping-cough: Boston and Lowell, each 1. From scarlet-fever: Boston, 1. From erysipelas: Worcester, 1. From puerperal fever: Springfield, 1.

Deaths from the principal infectious diseases numbered 187 against 151 for the preceding week.

Deaths under five years of age numbered 246 against 249 for the preceding week.

Cases reported iu Boston: typhoid fever, 26; scarlet-fever, 11; diphtheria, 10 aud measles, 5.

The death-rates for the week were: Boston, 23.53; Worcester, 27.01; Lowell, 28.76; Fall River, ——; Cambridge, 11.88; Lynn, 12.09; Lawrence, 25.61; Springfield, 28.24; New Bedford, 19.14; Somerville, ——; Holyoke, ——; Salem, 33.76; Chelsea, 26.08; Haverhill, 26.55; Brockton, ——; Taunton, 12.26; Gloucester, 40.00; Newton, 14.93; Malden, 29.35; Fitchburg, 25.95; Waltham, 27.79; Pittsfield, 24.07; Quincy, 6.21; Northampton; ——; Chicopee, ——; Newburyport, 33.55; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 23.22 against 23.30 and 27.64 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 29, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 23,	29.94	72.0	78.0	66.0	71	90	80.5	N.	E.	4	2	C.	O.		0.00
Monday, 24,	29.99	76.6	87.3	66.0	93	87	90.0	S. E.	S.	4	11	O.	C.		0.14
Tuesday, 25,	30.15	80.8	87.5	74.2	87	74	80.5	S. W.	S. W.	12	8	O.	C.		0.00
Wednes'y, 26,	30.26	67.2	70.0	64.5	63	85	74.0	N. E.	N. E.	12	7	O.	O.		0.00
Thursday, 27,	30.08	65.0	67.3	62.8	97	100	98.5	N. W.	E.	4	8	R.	G.		0.05
Friday, 28,	29.86	69.9	77.0	62.8	100	95	97.5	S.	S.	6	4	G.	F.		1.31
Saturday, 29,	29.90	62.6	71.0	54.2	58	63	60.5	W.	N. W.	16	6	C.	O.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 5, 1891.

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 5, 1891.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	188	73	40	29	34	2	3
Worcester,	84,655	26	19	10	1	7	..	..
Lowell,	77,696	36	19	16	3	15	1	..
Fall River,	74,398	39	26	17	1	14	1	..
Cambridge,	70,028	23	10	5	6	4	..	..
Lynn,	55,727	16	11	9	..	6	..	..
Lawrence,	44,654	16	10	5	1	3	1	1
Springfield,	44,179	23	5	7	3	4	2	..
*New Bedford,	40,733	22	14	4	..	3	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	14	6	2	1	2	..	..
Chelsea,	27,909	..	..	..	..	..	..	..
Haverhill,	27,412	9	4	2	1	2	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	15	10	8	2	8	..	..
Newton,	24,379	9	5	3	..	2	1	..
Malden,	23,031	4	1	..	..	..	..	..
Fitchburg,	22,037	9	3	2	3	2	..	..
Waltham,	18,707	6	2	1	1	1	..	..
Pittsfield,	17,281	5	5	3	..	3	..	..
Quincy,	16,723	7	3	2	3	2	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	8	4	4	..	4	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	1	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	3	2	..	2	..	..
Peabody,	10,158	5	3	2	..	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,190,946	487	237	144	55	120	9	4

DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and forty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 120; typhoid fever, 9; cerebro-spinal meningitis, 6; diphtheria and croup, 4; puerperal fever, erysipelas, whooping-cough and scarlet-fever, each 1.

No deaths were reported from small-pox and malarial fevers.

There were 55 deaths from consumption; acute lung diseases, 22; and still-births, 22.

From cerebro-spinal meningitis: Lynn, 3; Worcester, 2; Fall River, 1. From puerperal fever: Springfield, 1. From erysipelas: Worcester, 1. From whooping-cough: Boston, 1. From measles: Fall River, 1. From scarlet-fever: Cambridge, 1.

Deaths from the principal infections diseases numbered 144 against 187 for the preceding week.

Deaths under five years of age numbered 237 against 246 for the preceding week.

Cases reported in Boston: typhoid fever, 31; diphtheria, 12; scarlet-fever, 6; and measles, 1.

The death-rates for the week were: Boston, 21.79; Worcester, 15.96; Lowell, 24.08; Fall River, 27.25; Cambridge, 17.07; Lynn, 14.92; Lawrence, 18.63; Springfield, 27.07; New Bedford, 27.98; Somerville, ——; Holyoke,——; Salem, 23.63; Chelsea,——; Haverhill, 17.07; Brockton, ——; Taunton, ——; Gloucester, 31.60; Newton, 19.19; Malden, 9.03; Fitchburg, 21.23; Waltham, 16.67; Pittsfield, 15.04; Quincy, 21.76; Northampton; ——; Chicopee, ——; Newburyport, 29.82; Marlborough, ——; Woburn,——.

The total death-rate for the week was 21.26 against 23.22 and 23.30 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 5, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Monday, Aug. 31,	30.21	58.0	61.0	55.1	89	100	94.0	N.	N.E.	10	12	O.	R.			0.08
Tuesday, Sept. 1,	30.18	59.4	61.6	57.1	97	89	93.0	N.E.	N.E.	12	3	O.	O.			0.16
Wednes'y, 2,	30.12	64.5	72.7	56.3	82	85	84.0	W.	E.	4	2	C.	C.			0.00
Thursday, 3,	30.16	64.2	79.8	59.0	73	85	79.0	S.W.	S.W.	3	10	C.	C.			0.00
Friday, 4,	30.13	71.7	80.4	63.0	77	69	73.0	S.	S.W.	8	11	C.	C.			0.00
Saturday, 5,	30.25	61.2	65.0	57.5	68	97	82.0	N.E.	E.	24	13	O.	O.			0.18
Sunday, 6,	30.09	62.5	60.8	59.0	100	100	100.0	N.	N.E.	3	3	R.	C.			0.12
Week, - -																

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 12 smaller towns of Massachusetts, as reported to the State Board of Health for the month of August.

The total death-rate of reporting towns for the month was 18.51.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from Infectious Diseases.	Deaths from Consumption.	Deaths from Diarrhœal Diseases.	Deaths from Diphtheria and Croup.	Deaths from Whooping-Cough.
Stoneham, ...	6,035	8	3	4	..	4	..	..
Middleborough, . . .	5,233	7	3	2	..	1	..	1
Westborough, ...	5,195	10	2	1	..	1	..	..
Concord, ...	4,457	6	3	3	1	3	..	..
Hudson, ...	4,185	12	6	8	1	6	2	..
Fairhaven, ...	2,919	3	1	..	1	..	..	..
Wrentham, ...	2,892	1	0	..	..	..	..	..
Merrimac, ...	2,492	5	2	..	1	..	..	..
Dalton, ...	2,325	1	1	..	1	..	..	..
Groton, ...	2,037	3	1	..	2	..	..	..
Shrewsbury, ...	1,450	4	0	..	..	..	..	..
Truro, ...	972	2	0	1	..	1	..	..
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Total of reporting towns, . .	40,192	62	22	19	7	16	2	1

Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 12, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of August

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.
Price 25 Cents a Year.
VOL. IX. No. 36.

STATE BOARD OF HEALTH.
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SAMUEL W. ABBOTT, M.D , *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 12, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	200	84	50	27	37	8	2
Worcester,	84,655	29	15	10	2	8	..	..
Lowell,	77,696	42	27	17	5	16	1	..
Fall River,	74,398	36	28	3	2	1	..	..
Cambridge,	70,028	27	10	7	2	3	1	2
Lynn,	55,727	11	3	3	1	1	1	..
Lawrence,	44,654	20	14	6	2	4	..	1
Springfield,	44,179	14	6	5	1	3	2	..
New Bedford,	40,733	15	8	6	1	6	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	9	3	2	2	2	..	..
Chelsea,	27,909	14	10	3	1	3	..	..
Haverhill,	27,412	8	3	2	..	1	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	8	3	3	..	3	..	..
Gloucester,	24,651	11	3	3	1	3	..	..
Newton,	24,379	..	..	..	..	..	..	..
Malden,	23,031	6	2	2	..	2	..	..
Fitchburg,	22,037	9	6	..	2	..	..	..
Waltham,	18,707	9	2	..	1	..	..	..
Pittsfield,	17,281	5	4	3	..	3	..	..
Quincy,	16,723	3	0	1	..	1	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	3	2	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	1	..	1	..	..	..
Peabody,	10,158	4	1	1	..	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,219,921	488	235	127	51	98	13	6

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 98; typhoid fever, 13; diphtheria and croup, 6; cerebro-spinal meningitis, 5; whooping-cough, 2; scarlet-fever, 2; measles, 1.

No deaths were reported from small-pox and puerperal fever.

There were 51 deaths from consumption; acute lung diseases, 17; and still-births, 18.

From cerebro-spinal meningitis: Worcester and Fall River, 2 each; Lynn, 1. From whooping-cough: Boston, 2. From scarlet-fever: Cambridge and Lawrence, 1 each. From measles: Boston, 1.

Deaths from the principal infectious diseases numbered 127 against 144 for the preceding week.

Deaths under five years of age numbered 235 against 237 for the preceding week.

Cases reported in Boston: typhoid fever, 41; scarlet-fever, 11; diphtheria, 10; and measles, 2.

The death-rates for the week were: Boston, 23.19; Worcester, 17.80; Lowell, 28.09; Fall River, 25.15; Cambridge, 20.04; Lynn, 10.26; Lawrence, 23.28; Springfield, 16.47; New Bedford, 19.14; Somerville, ——; Holyoke, ——; Salem, 15.19; Chelsea, 26.08; Haverhill, 15.17; Brockton, ——; Taunton, 16.34; Gloucester, 23.16; Newton, ——; Malden, 13.54; Fitchburg, 21.23; Waltham, 25.01; Pittsfield, 15.04; Quincy, 9.32; Northampton, ——; Chicopee, ——; Newburyport, 11.18; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.80 against 21.26 and 23.22 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 12, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, 7,	29.85	62.8	65.8	59.8	100	77	88.0	N. E.	N. W.	5	16	R.	C.		1.70
Tuesday, 8,	30.06	64.0	72.0	55.0	98	65	82.0	N.	N. W.	11	9	C.	C.		Trace.
Wednes'y, 9,	30.22	59.8	70.0	49.6	63	59	61.0	W.	W.	10	6	C.	C.		0.00
Thursday, 10,	30.35	63.8	76.3	53.6	62	75	68.5	W.	S.	7	7	C.	C.		0.00
Friday, 11,	30.34	69.7	79.6	59.8	70	67	68.0	W.	S. W.	7	11	C.	C.		0.00
Saturday, 12,	30.19	68.4	77.0	59.8	78	73	75.5	S. W.	S.	8	12	C.	C.		0.00
Sunday, 13,	29.95	69.2	77.4	61.0	90	73	82.0	S. W.	S. W.	12	18	O.	R.		0.01
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	111	157	268	Maple Syrup,	..	..	..
Butter,	18	11	29	Canned Goods,	..	..	..
Cheese,	..	..	..	Honey,	3	2	5
Lard,	..	..	..	Tea,	..	..	..
Olive Oil,	..	1	1	Coffee,	6	4	10
Vinegar,	..	..	..	Cocoa,	..	..	..
Spices,	88	13	101	Confectionery,	..	..	..
Cream of Tartar,	39	4	43	Other articles of Food and Drinks,	5	..	5
Molasses,	4	..	4	Drugs,	37	3	40
Syrups,	..	..	..				
Maple Sugar,	..	..	..				
				Totals,	311	195	506

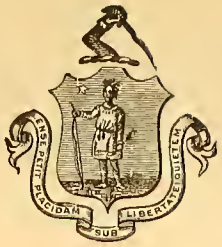
Percentage of adulteration, 38.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The quality of the milk obtained during the month was poor, 58.6 per cent. of the samples obtained of dealers being below the legal standard. The per cent. of other samplesof food which were not of standard quality was but 17.6.

Nineteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violation of statutes in regard to the sale of Milk, Honey, Cream of Tartar, Coffee, Butter, Cheese, Spices, Olive Oil, Molasses and French Peas. Fines were imposed amounting to $272.

The samples of drugs found to be adulterated were Brandy, Wine and Olive Oil.

The cities and towns from which samples of food were collected were : Boston, Lowell, Cambridge, Fall River, Lynn, Lawrence, Brockton, Malden, Fitchburg, Newton, Springfield, Taunton, Pittsfield, Adams, Clinton, North Adams, Westfield, Huntington, Chester, Ayer, Marblehead, Cottage City, Athol, Revere and Brookline.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 19, 1891,

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

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VOL. IX. No. 37.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 19, 1891.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	182	69	38	27	26	7	5
Worcester,	84,655	28	14	9	2	9	..	..
Lowell,	77,696	30	20	12	2	11	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	27	12	2	2	2	..	..
Lynn,	55,727	..	..	..	..	..	..	..
Lawrence,	44,654	15	4	8	..	2	1	5
Springfield,	44,179	15	4	4	..	2	1	..
New Bedford,	40,733	33	18	11	2	10	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	17	7	4	..	3	1	..
Chelsea,	27,909	12	7	2	3	2	..	..
Haverhill,	27,412	8	4	3	1	2	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	16	9	5	3	4	..	1
Gloucester,	24,651	10	5	2	1	1	..	..
Newton,	24,379	..	..	..	..	..	..	..
Malden,	23,031	8	2	3	..	1	1	..
Fitchburg,	22,037	10	6	3	3	3	..	..
Waltham,	18,707	5	1	2	..	1	1	..
Pittsfield,	17,281	4	..	3	1	3	..	..
Quincy,	16,723	5	2	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	9	1	..	2	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	2	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	4	2	2	..	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,079,603	440	189	113	49	84	13	12

DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirteen deaths were reported from the principal infectious diseases: diarrhœal diseases, 84; typhoid fever, 13; diphtheria and croup, 12; cerebro-spinal meningitis, 2; whooping-cough, 1; scarlet-fever, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 49 deaths from consumption; acute lung diseases, 19; and still-births, 26.

From cerebro-spiual meningitis: Lowell and Gloucester, 1 each. From whooping-cough: Springfield, 1. From scarlet-fever: Malden, 1.

Deaths from the principal infectious diseases numbered 113 against 127 for the preceding week.

Deaths under five years of age numbered 189 against 235 for the preceding week.

Cases reported in Boston: typhoid fever, 48; scarlet-fever, 16; diphtheria, 11 and measles, 4.

The death-rates for the week were: Boston, 21.10; Worcester, 17.19; Lowell, 20.07; Fall River, ——; Cambridge, 20.04; Lynn, ——; Lawrence, 17.46; Springfield, 17.65; New Bedford, 42.12; Somerville, ——; Holyoke, ——; Salem, 28.69; Chelsea, 22.35; Haverhill, 15.17; Brocktou, ——; Tauuton, 32.69; Gloucester, 21.06; Newton, ——; Malden, 18.05; Fitchburg, 23.59; Waltham, 13.89; Pittsfield, 12.03; Quincy, 15.54; North Adams, —— ; Northamptou, ——; Chicopee, ——; Newburyport, 33.55; Marlborough, ——; Woburn, ——.

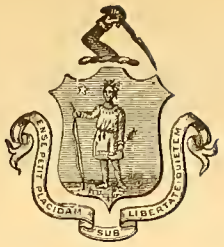
The total death-rate for the week was 21.19 against 20.80 and 21.26 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Sunday, Sept. 20, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, 14,	29.93	70.0	76.1	64.0	80	54	67.0	W.	N. W.	11	12	C.	O.		0.04
Tuesday, 15,	30.00	59.7	67.9	51.5	60	63	62.0	N. W.	S. W.	12	10	C.	O.		0.00
Wednes'y, 16,	30.17	63.8	68.9	58.8	76	89	82.5	N.	S.	3	3	C.	F.		0.01
Thursday, 17,	30.32	64.9	74.0	55.7	74	76	75.0	N. W.	S. W.	4	11	C.	O.		Trace.
Friday, 18,	30.01	75.9	89.8	62.0	84	66	75.0	S. W.	S. W.	9	24	C.	F.		0.00
Saturday, 19,	29.97	67.8	71.2	64.3	70	65	68.0	N.	S. E.	11	6	F.	C.		0.00
Sunday, 20,	30.20	65.5	76.5	54.5	73	63	68.0	N. W.	S. W.	1	12	C.	C.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 26, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

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VOL. IX. No. 38.

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 26, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	205	81	28	30	19	7	1
Worcester,	84,655	26	12	8	4	2	2	2
Lowell,	77,696	52	31	15	4	15	..	..
Fall River,	74,398	43	25	20	..	13	7	..
Cambridge,	70,028	20	7	3	2	1	2	..
Lynn,	55,727	15	10	6	..	1	1	1
Lawrence,	44,654	22	10	4	..	2	1	1
Springfield,	44,179	8	..	..	2	..	..	..
New Bedford,	40,733	22	13	4	3	3	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	12	3	1	..	..	1	..
Chelsea,	27,909	16	7	2	1	2	..	..
Haverhill,	27,412	8	2	2	2	1	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	3	1	..	..	..	..	..
Gloucester,	24,651	5	2	2	2	2	..	..
Newton,	24,379	5	1	..	2	..	..	..
Malden,	23,031	6	3	1	2	..	..	1
Fitchburg,	22,037	9	4	..	..	..	..	..
Waltham,	18,707	5	1	1	..	1	..	..
Pittsfield,	17,281	3	..	1	..	1	..	..
Quincy,	16,723	5	3	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	6	3	2	..	2	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	4	2	2	1	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,234,107	503	221	102	55	67	22	7

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and two deaths were reported from the principal infections diseases: diarrhœal diseases, 67; typhoid fever, 22; diphtheria and croup, 7; cerebro-spinal meningitis, 4; scarlet-fever, 1; measles, 1.

No deaths were reported from small-pox, malarial fever, whooping-cough and puerperal fever.

There were 55 deaths from consumption; acute lung diseases, 15; and still-births, 34.

From cerebro-spinal meningitis: Lynn, 3; Boston, 1. From scarlet-fever: Worcester, 1. From measles: Worcester, 1.

Deaths from the principal infectious diseases numbered 102 against 113 for the preceding week.

Deaths under five years of age numbered 221 against 189 for the preceding week.

Cases reported in Boston: typhoid fever, 55; scarletina, 11; diphtheria 8; and measles, 7.

The death-rates for the week were: Boston, 23.83; Worcester, 16.01; Lowell, 34.89; Fall River, 30.13; Cambridge, 14.89; Lynn, 14.03; Lawrence, 25.68; Springfield, 9.44; New Bedford, 28.16; Somerville, ——; Holyoke,——; Salem, 20.31; Chelsea, 29.89; Haverhill, 15.21; Brockton, ——; Taunton, 6.14; Gloucester, 10.57; Newton, 10.69; Malden, 13.58; Fitchburg, 21.29; Waltham, 13.93; Pittsfield, 9.05; Quincy, 15.58; North Adams, —— ; Northampton,——; Chicopee, ——; Newburyport, 22.43; Marlborough, ——; Woburn,——.

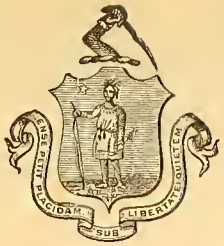
The total death-rate for the week was 21.15 against 21.19 and 20.80 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Sunday, Sept. 27, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, 21,	30.09	68.2	77.6	58.7	77	79	78.0	S.W.	S.	7	5	C.	C.		0.00
Tuesday, 22,	30.15	62.7	64.5	61.0	95	90	93.0	N.	S.E.	8	2	O.	O.		0.00
Wednes'y, 23,	30.09	68.7	75.3	62.1	88	90	89.0	N.W.	E.	7	9	F.	O.		Trace.
Thursday, 24,	30.23	69.2	76.0	62.3	82	90	86.0	S.E.	S.W.	7	16	O.	C.		0.00
Friday, 25,	30.07	75.6	86.2	65.0	86	82	84.0	S.W.	S.W.	12	16	C.	C.		0.00
Saturday, 26,	30.16	72.2	79.3	65.0	68	82	75.0	N.W.	S.E.	11	6	C.	C.		0.00
Sunday, 27,	30.27	64.2	68.5	59.8	100	69	85.0	S.E.	S.	3	8	O.	O.		0.00
Week, - -	30.16		75.3	61.9			84.3								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 3, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

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VOL. IX. No. 39.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 3, 1891.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	201	83	32	21	20	6	2
Worcester,	84,655	30	13	7	4	4	1	1
Lowell,	77,696	31	19	8	4	8	..	..
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	21	7	2	6	2	..	..
Lynn,	55,727	23	13	6	6	6	..	..
Lawrence,	44,654	19	8	6	2	2	1	3
Springfield,	44,179	23	12	8	..	4	..	4
New Bedford,	40,733	16	8	5	1	4	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	2	2	..	1	1	..
Chelsea,	27,909	10	6	3	1	2	1	..
Haverhill,	27,412	8	2	1	1	..	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	15	5	4	1	4	..	..
Gloucester,	24,651	6	2	..	..	..	..	..
Newton,	24,379	6	2	1	..	..	1	..
Malden,	23,031	5	3	..	1	..	..	..
Fitchburg,	22,037	..	..	..	..	..	..	..
Waltham,	18,707	4	2	2	1	2	..	..
Pittsfield,	17,281	4	2	1	..	1	..	..
Quincy,	16,723	6	2	..	2	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	4	1	1	..	..	1	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	0	1	..	..	1	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,127,514	446	192	90	51	60	14	11

DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Ninety deaths were reported from the principal infections diseases: diarrhœal diseases, 60; typhoid fever, 14; diphtheria and croup, 11; measles, scarlet-fever, cerebro-spinal meningitis, whooping-cough and malarial fever, each 1.

No deaths were reported from small-pox and puerperal fever.

There were 51 deaths from consumption; acute lung diseases, 22; and still-births, 23.

From measles: Boston, 1. From scarlet-fever: Boston, 1. From cerebro-spinal meningitis: Worcester, 1. From whooping-cough: Boston, 1. From malarial fever, Boston, 1.

Deaths from the principal infectious diseases numbered 90 against 102 for the preceding week.

Deaths under five years of age numbered 192 against 221 for the preceding week.

Cases reported in Boston: typhoid fever, 52; scarlet-fever, 17; diphtheria, 10; and measles, 8.

The death-rates for the week were: Boston, 23.30; Worcester, 18.42; Lowell, 20.73; Fall River, ——; Cambridge, 15.59; Lynn, 21.46; Lawrence, 22.12; Springfield, 27.07; New Bedford, 20.42; Somerville, ——; Holyoke, ——; Salem, 16.88; Chelsea, 18.63; Haverhill, 15.17; Brockton, ——; Taunton, 30.65; Gloucester, 12.63; Newton, 12.79; Malden, 12.28; Fitchburg, ——; Waltham, 15.11; Pittsfield, 12.03; Quincy, 18.65; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 14.91; Marlborough, ——; Woburn, ——.

The total death-rate for the week was 20.57 against 21.15 and 21.19 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Sunday, Oct. 4, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sept. Monday, 28,	30.27	72.6	81.5	63.6	88	82	85.0	S.W.	S.W.	6	7	O.	C.		0.00
Tuesday, 29,	30.09	73.0	80.0	66.0	84	91	88.0	S.W.	S.W.	15	12	C.	F.		0.01
Wednes'y, 30,	30.35	60.5	65.5	55.5	55	65	60.0	N.W.	E.	16	3	C.	C.		0.01
Oct. Thursday, 1,	30.51	54.8	61.6	48.0	68	69	68.0	N.E.	S.E.	7	6	C.	C.		0.00
Friday, 2,	30.33	61.0	72.7	49.3	80	87	84.0	W.	S.W.	12	11	C.	C.		0.00
Saturday, 3,	30.05	67.5	83.2	55.9	81	88	84.0	W.	S.W.	11	8	C.	C.		0.00
Sunday, 4,	29.82	67.2	75.4	59.0	83	100	92.0	W.	E.	4	7	C.	G.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 11 smaller towns of Massachusetts, as reported to the State Board of Health for the month of September.

The total death-rate of reporting towns for the month was 9.79.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from: Infectious Diseases.	Deaths from: Consumption.	Deaths from: Diarrhœal Diseases.	Deaths from: Diphtheria and Croup.	Deaths from: Whooping-Cough.
Stoneham,	6,035	6	0	2	..	1	1	..
Middleborough,	5,233	1	0	..	..	..	..	..
Westborough,	5,195	11	2	..	..	..	..	..
Concord,	4,457	2	2	..	..	..	..	..
Hudson,	4,185	4	0	..	..	..	..	..
Merrimac,	2,492	1	0	..	..	..	..	..
Dalton,	2,325	1	1	1	..	1	..	..
Groton,	2,037	1	0	1	..	1	..	..
Shrewsbury,	1,450	1	0	..	..	..	..	..
Topsfield,	1,141	1	0	..	..	..	..	..
Truro,	972	0	0	..	..	..	..	..
Total of reporting towns,	35,522	29	5	4		3	1	

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 10, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of September.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

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VOL. IX. No. 40.

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 10, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

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				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	170	82	29	26	23	..	4
Worcester,	84,655	32	13	7	2	4	..	1
Lowell,	77,696	39	17	10	7	6	3	..
Fall River,	74,398	44	23	14	5	10	2	..
Cambridge,	70,028	18	6	1	3	..	..	..
Lynn,	55,727	22	10	4	1	3	..	..
Lawrence,	44,654	19	9	3	1	1	1	1
Springfield,	44,179	17	8	3	2	1	..	2
New Bedford,	40,733	20	10	6	2	4	..	1
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	16	..	3	..	3	..	..
Chelsea,	27,909	16	8	..	5	..	..	..
Haverhill,	27,412	10	3	1	..	..	..	1
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	2	2	..	..	..	1
Gloucester,	24,651	7	3	1	..	1	..	..
Newton,	24,379	7	4	..	1	..	..	..
Malden,	23,031	12	4	..	..	..	..	..
Fitchburg,	22,037	15	5	2	4	2	..	..
Waltham,	18,707	11	5	3	1	3	..	..
Pittsfield,	17,281	3	2	1	1	1	..	..
Quincy,	16,723	3	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	9	4	1	2	1	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	2	1	1	..	..	..
Peabody,	10,158	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,234,142	502	221	92	64	65	6	11

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Ninety-two deaths were reported from the principal infectious diseases: diarrhœal diseases, 63; diphtheria and croup, 11; typhoid fever, 6; cerebro-spinal meningitis, 5; whooping-cough, 4; puerperal fever, 2; measles, 1.

No deaths were reported from small-pox, malarial fever and scarlet-fever.

There were 64 deaths from consumption; acute lung diseases, 28; and still-births, 26.

From cerebro-spinal meningitis: Boston, Worcester, Fall River, Lynn and Taunton, 1 each. From whooping-cough: Lowell, Cambridge, New Bedford and Hyde Park, 1 each. From puerperal fever: Boston and Worcester, 1 each. From measles: Fall River, 1.

Deaths from the principal infectious diseases numbered 92 against 90 for the preceding week.

Deaths under five years of age numbered 221 against 192 for the preceding week.

Cases in Boston: typhoid fever, 43; scarlet-fever, 21; diphtheria, 12; and measles, 3.

The death rates for the week were: Boston, 19.71; Worcester, 19.64; Lowell, 26.09; Fall River, 30.74; Cambridge, 13.36; Lynn, 20.52; Lawrence, 22.12; Springfield, 20.00; New Bedford, 25.53; Somerville, ——; Holyoke, ——; Salem, 27.00; Chelsea, 29.80; Haverhill, 18.96; Brockton, ——; Taunton, 14.30; Gloucester, 14.74; Newton, 14.93; Malden, 27.09; Fitchburg, ——; Waltham, 30.56; Pittsfield, 9.02; Quincy, 9.32; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 30.55; Marlborough, ——; Woburn, ——.

The total death rate for the week was 21.15 against 20.57 and 21.15 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Sunday, Oct. 11, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, 5,	29.69	62.2	67.7	56.7	98	76	87.0	N.	W.	11	16	R.	F.		0.12
Tuesday, 6,	30.13	55.7	62.0	49.4	57	50	54.0	N. W.	N. W.	16	6	C.	O.		0.00
Wednes'y, 7,	30.19	53.9	57.3	50.5	61	97	79.0	N. E.	N. E.	13	18	O.	R.		0.08
Thursday, 8,	29.75	57.8	65.4	51.0	100	74	87.0	N. W.	N. W.	9	12	R.	C.		2.00
Friday, 9,	30.06	49.9	54.6	45.1	73	69	71.0	N.	S. E.	8	7	O.	C.		0.00
Saturday, 10,	30.10	50.8	58.1	43.6	70	73	72.0	W.	S. E.	2	2	F.	C.		0.00
Sunday, 11,	30.26	50.8	58.0	43.5	72	71	72.0	N. W.	N.	10	20	O.	O.		0.01
Week, - -	30.03		60.4	48.5			75.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	47	136	183	Maple Syrup,	..	..	..
Butter,	3	..	3	Canned Goods,	..	8	8
Cheese,	2	..	2	Honey,	3	4	7
Lard,	..	..	..	Tea,	3	..	3
Olive Oil,	1	..	1	Coffee,	4	4	8
Vinegar,	1	1	2	Cocoa,	..	..	..
Spices,	46	11	57	Confectionery,	..	..	..
Cream of Tartar,	19	2	21	Other articles of Food and Drinks,	..	..	..
Molasses,	..	..	..	Drugs.	34	6	40
Syrups,	..	..	..				
Maple Sugar,	..	..	..				
				Totals,	163	172	335

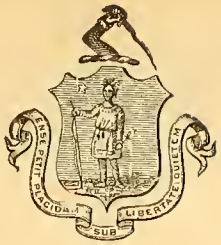
Percentage of adulteration, 51.3. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The quality of the milk obtained during the month was poor, 74.3 per cent. of the samples obtained of dealers being below the legal standard.

Twenty-five complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violation of statutes in regard to the sale of Milk, Black Pepper, Coffee, Cloves and Mustard. Fines were imposed amounting to $210.

The samples of drugs found to be adulterated were Brandy and Compound Spirits of Ether.

The cities and towns from which samples of food were collected were: Adams, Amherst, Athol, Boston, Brockton, Cambridge, Dunstable, Easton, Fall River, Gloucester, Hinsdale, Holliston, Holyoke, Hyde Park, Lawrence, Lincoln, Lowell, Lynn, Medway, Natick, Newton, North Adams, Palmer, Pittsfield, Taunton, Waltham, Warren, Westfield and West Medway.



Weekly Return of Mortality

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 17, 1891.

AN OFFICIAL PUBLICATION OF THE

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 17, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	214	73	23	16	10	8	3
Worcester,	84,655	30	17	10	1	8	1	..
Lowell,	77,696	34	18	5	4	3	1	..
Fall River,	74,398	40	19	8	4	3	3	1
Cambridge,	70,028	..	..	..	..	..	..	..
Lynn,	55,727	10	6	5	..	1	..	3
Lawrence,	44,654	17	6	4	1	1	1	2
Springfield,	44,179	11	3	..	3	..	..	..
New Bedford,	40,733	29	11	6	5	3	1	1
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	13	..	3	2	2	1	..
Chelsea,	27,909	22	7	2	3	1	..	1
Haverhill,	27,412	4	1	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	6	0	1	2	..	1	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	9	4	2	1	1	..	1
Malden,	23,031	8	4	1	..	1	..	..
Fitchburg,	22,037	10	6	4	..	3	..	..
Waltham,	18,707	9	1	..	3	..	..	..
Pittsfield,	17,281	4	0	1	..	..	1	..
Quincy,	16,723	5	2	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	0	..	1	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	4	0	..	2	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	1	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,139,428	485	178	75	50	37	18	12

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 37; typhoid fever, 18; diphtheria and croup, 12; cerebro-spinal meningitis, 4; whooping-cough, 2; malarial fever and erysipelas, 1 each.

No deaths were reported from small-pox and puerperal fever.

There were 50 deaths from consumption; acute lung diseases, 34; and still-births, 20.

From cerebro-spinal meningitis: Boston, Worcester, Lynn and New Bedford, 1 each. From whooping-cough: Fall River and Fitchburg, 1 each.

Deaths from the principal infectious diseases numbered 75 against 92 for the preceding week.

Deaths under five years of age numbered 178 against 221 for the previous week.

Cases in Boston: typhoid fever, 50; diphtheria, 14; and scarlet-fever, 5.

The death rates for the week were: Boston, 24.81; Worcester, 18.42; Lowell, 22.74; Fall River, 27.95; Cambridge, ——; Lynn, 9.33; Lawrence, 19.79; Springfield, 12.94; New Bedford, 37.02; Somerville, ——; Holyoke, ——; Salem, 21.94; Chelsea, 40.98; Haverhill, 7.48; Brockton, ——; Taunton, 12.26; Gloucester, ——; Newton, 19.19; Malden, 18.05; Fitchburg, 23.59; Waltham, 25.01; Pittsfield, 12.03; Quincy, 15.54; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 18.74; Marlborough, ——; Woburn, ——.

The total death rate for the week was 22.04 against 21.15 and 20.57 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Suuday, Oct. 18, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, 12,	30.62	41.0	46.2	35.9	69	71	70.0	N. E.	N. E.	24	10	O.	O.		0.00
Tuesday, 13,	30.26	47.4	51.9	42.9	74	96	85.0	N. E.	N. E.	20	26	O.	R.		0.21
Wednes'y, 14,	29.89	50.6	61.1	40.0	100	82	91.0	N. W.	S. W.	12	12	O.	C.		1.40
Thursday, 15,	29.91	58.8	63.0	53.1	91	91	91.0	S.	S. W.	12	7	O.	F.		0.02
Friday, 16,	30.08	51.2	59.0	43.4	73	74	74.0	W.	W.	10	12	C.	C.		0.00
Saturday, 17,	30.36	48.6	54.7	42.4	69	80	74.0	W.	S. E.	10	8	C.	C.		0.00
Sunday, 18,	30.32	47.9	53.8	42.0	83	75	79.0	N. W.	E.	4	9	O.	O.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 24, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	187	40	25	29	7	9	7
Worcester,	84,655	28	5	4	9	2	2	..
Lowell,	77,696	30	10	3	5	1	2	..
Fall River,	74,398	32	17	5	3	2	3	..
Cambridge,	70,028	26	11	5	4	3	1	1
Lynn,	55,727	28	10	5	1	3	1	1
Lawrence,	44,654	16	2	4	2	..	1	3
Springfield,	44,179	9	7	5	1	2	..	2
New Bedford,	40,733	13	6	5	2	3	..	1
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	13	4	2	..	2	..	..
Chelsea,	27,909	14	7	..	3	..	..	..
Haverhill,	27,412	8	2	..	4	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	4	1	..	..	..	..	..
Gloucester,	24,651	9	0	..	..	..	..	..
Newton,	24,379	3	2	2	..	..	1	..
Malden,	23,031	3	1	..	..	..	..	..
Fitchburg,	22,037	8	2	1	..	..	1	..
Waltham,	18,707	5	2	..	..	..	..	..
Pittsfield,	17,281	3	1	..	..	..	..	..
Quincy,	16,723	10	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	2	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	0	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	4	2	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,234,107	455	134	66	64	25	21	15

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-six deaths were reported from the principal infectious diseases: diarrhœal diseases, 25; typhoid fever, 21; diphtheria and croup, 15; scarlet-fever, 5.

No deaths were reported from small-pox, malarial fevers, cerebro-spinal meniugitis, whoopiug-cough, measles, erysipelas and puerperal fever.

There were 69 deaths from consumption; acute luug diseases, 35; and still-births, 35.

From scarlet-fever: Boston, 2; Spriugfield, New Bedford and Newton, 1 each.

Deaths from the principal infectious diseases numbered 66 against 75 for the preceding week.

Deaths under five years of age numbered 134 against 178 for the preceding week.

Cases reported in Boston: typhoid fever, 77; scarlet-fever, 23; diphtheria, 21; and measles, 1.

The death rates for the week were: Boston, 21.68; Worcester, 17.19; Lowell, 20.07; Fall River, 22.35; Cambridge, 19.29; Lynn, 26.12; Lawrence, 18.63; Springfield, 10.59; New Bedford, 16.59; Somerville, ——; Holyoke, ——; Salem, 20.94; Chelsea, 26.08; Haverhill, 15.17; Brockton, ——; Taunton, 8.17; Gloucester, 18.95; Newton, 6.39; Malden, 6.77; Fitchburg, 18.87; Waltham, 13.89; Pittsfield, 9.02; Quincy, 31.09; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 7.45; Marlborough, ——; Woburn, ——.

The total death rate for the week was 19.17 against 22.04 and 21.15 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Sunday, Oct. 25, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Monday, 19,	30.07	52.0	48.5	55.4	83	73	78.0	N.	N.E.		12	4		O.	O.			0.00
Tuesday, 20,	29.86	53.2	56.6	49.8	97	87	92.0	E.	S.W.		25	12		R.	C.			0.84
Wednes'y, 21,	29.79	51.0	56.0	45.9	79	64	72.0	S.W.	W.		16	12		O.	C.			0.00
Thursday, 22,	29.86	49.8	54.9	44.7	73	61	67.0	W.	N.		12	16		C.	O.			Trace.
Friday, 23,	29.64	40.0	46.8	33.3	95	69	82.0	N.	N.W.		19	18		N.	C.			0.42
Saturday, 24,	29.83	40.7	46.6	34.8	60	57	59.0	N.W.	W.		17	12		O.	C.			0.00
Sunday, 25,	29.96	41.1	51.0	31.2	63	38	50.0	W.	W.		16	5		C.	C.			0.00
Week, - -																		

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 31, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	181	50	26	25	3	9	12
Worcester,	84,655	24	19	4	2	1	1	1
Lowell,	77,696	40	12	4	6	2	..	1
Fall River,	74,398	..	..	..	..	..	..	..
Cambridge,	70,028	22	4	..	1	..	..	..
Lynn,	55,727	11	4	2	..	1	..	..
Lawrence,	44,654	16	7	3	1	2	..	1
Springfield,	44,179	15	5	4	3	2	..	2
New Bedford,	40,733	15	8	1	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	9	2	1	..	1	..	..
Chelsea,	27,909	7	6	2	3	..	..	2
Haverhill,	27,412	3	0	1	..	1	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	0	..	1	..	..	..
Gloucester,	24,651	6	4	..	2	..	..	..
Newton,	24,379	8	3	3	2	1	..	2
Malden,	23,031	5	0	..	..	..	..	..
Fitchburg,	22,037	5	1	..	1	..	..	..
Waltham,	18,707	6	3	2	..	..	..	1
Pittsfield,	17,281	4	1	2	2	..	2	..
Quincy,	16,723	6	1	..	2	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	8	2	6	..	..	..	6
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	8	3	2	2	1	1	..
Peabody,	10,158	6	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,169,902	414	135	63	55	16	13	28

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 28; diarrhœal diseases, 16; typhoid fever, 13; scarlet-fever, 3; cerebro-spinal meningitis, 3.

No deaths were reported from small-pox, malarial fever, measles, whooping-cough, erysipelas and puerperal fever.

There were 55 deaths from consumption; acute lung diseases, 47; and still-births, 25.

From scarlet-fever: Worcester, Lowell and Waltham, 1 each. From cerebro-spinal meningitis: Boston, 2; Lynn, 1.

Deaths from the principal infectious diseases numbered 63 against 66 for the preceding week.

Deaths under five years of age numbered 135 against 134 for the preceding week.

Cases reported in Boston: typhoid fever, 49; diphtheria, 17; scarlet-fever, 12; and measles, 3.

The death rates for the week were: Boston, 19.98; Worcester, 14.73; Lowell, 26.76; Fall River, ——; Cambridge, 16.33; Lynn, 10.26; Lawrence, 18.63; Springfield, 17.65; New Bedford, 19.14; Somerville, ——; Holyoke, ——; Salem, 15.19; Chelsea, 12.04; Haverhill, 5.69; Brockton, ——; Taunton, 14.30; Gloucester, 12.63; Newton, 17.06; Malden, 11.28; Fitchburg, 11.79; Waltham, 16.67; Pittsfield, 12.03; Quincy, 18.65; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 29.82; Marlborough, ——; Woburn, ——.

The total death rate for the week was 18.49 against 19.17 and 22.04 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Sunday, Nov. 1, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Monday, Oct. 26,	29.78	51.3	62.5	40.1	80	85	82.0	S.W.	W.	12	10	O.	O.		0.03
Tuesday, 27,	29.74	45.8	49.4	42.2	97	62	80.0	N.W.	N.W.	8	21	R.	O.		0.22
Wednes'y, 28,	30.44	38.6	49.2	27.9	62	62	62.0	N.W.	S.W.	6	12	C.	C.		0.00
Thursday, 29,	30.20	38.7	43.9	38.5	75	63	69.0	N.W.	N.W.	16	12	O.	C.		0.00
Friday, 30,	30.22	53.3	65.6	41.0	71	48	60.0	S.W.	S.W.	12	16	C.	F.		0.00
Saturday, 31,	29.95	64.0	74.3	53.7	47	48	48.0	S.W.	S.W.	12	20	C.	F.		0.00
Sunday, Nov. 1,	29.86	38.0	43.3	31.8	51	49	50.0	W.	W.	16	25	F.	O.		0.00
Week, - -	30.03		55.0	39.0			64.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 7, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 44.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 7, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepaucy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	185	46	20	30	2	4	12
Worcester,	84,655	31	9	6	2	3	1	2
Lowell,	77,696	31	10	1	12	..	..	1
Fall River,	74,398	38	14	7	..	1	4	..
Cambridge,	70,028	20	3	4	..	1	2	..
Lynn,	55,727	11	4	2	2	1	..	..
Lawrence,	44,654	15	7	3	..	1	..	2
Springfield,	44,179	17	5	6	2	..	..	4
New Bedford,	40,733	13	6	1	..	..	..	1
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	5	3	1	2	..	1
Chelsea,	27,909	11	2	3	..	..	1	2
Haverhill,	27,412	8	2	1	..	..	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	..	..	..	..	..	..	..
Gloucester,	24,651	9	2	..	2	..	..	..
Newton,	24,379	6	2	1	..	..	1	..
Malden,	23,031	7	1	..	1	..	..	..
Fitchburg,	22,037	4	1	1	..	..	..	..
Waltham,	18,707	4	0	..	..	..	..	..
Pittsfield,	17,281	5	1	..	..	..	..	..
Quincy,	16,723	5	2	1	..	..	..	1
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	1	1	..	..	..	1
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	3	0	..	..	..	..	..
Peabody,	10,158	1	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,218,855	443	124	61	52	11	14	27

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 27; typhoid fever, 14; diarrhœal diseases, 11; scarlet-fever, 3; whooping-cough, 3; cerebro-spinal meningitis, 2; puerperal fever, 1.

No deaths were reported from small-pox, malarial fever, measles and erysipelas.

There were 52 deaths from acute lung diseases; consumption, 51; and still-births, 31.

From scarlet-fever: Springfield, 2; Cambridge, 1. From whooping-cough: Boston, Fall River and Fitchburg, 1 each. From cerebro-spinal meningitis: Fall River and Lynn, 1 each. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 61 against 63 for the preceding week.

Deaths under five years of age numbered 124 against 135 for the preceding week.

Cases reported in Boston: typhoid fever, 32; diphtheria, 26; scarlet-fever, 18; and measles, 5.

The death rates for the week were: Boston, 20.45; Worcester, 19.03; Lowell, 25.42; Fall River, 26.55; Cambridge, 14.85; Lynn, 10.26; Lawrence, 17.46; Springfield, 20.00; New Bedford, 16.59; Somerville, ——; Holyoke, ——; Salem, 16.88; Chelsea, 20.49; Haverhill, 15.17; Brockton, ——; Taunton, ——; Gloucester, 18.95; Newton, 12.79; Malden, 15.80; Fitchburg, 9.43; Waltham, 11.11; Pittsfield, 15.04; Quincy, 15.54; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 26.09; Marlborough, ——; Woburn, ——.

The total death rate for the week was 18.91 against 18.49 and 19.17 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 7, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.86	50.5	55	46	51	49	50.0	W.	W.	16	25	F.	O.		0.00
Monday, 2,	30.22	38.0	44	32	47	48	48.0	N.W.	W.	12	6	C.	C.		0.00
Tuesday, 3,	30.32	35.0	42	28	54	49	52.0	N.W.	N.W.	13	8	C.	C.		0.00
Wednes'y, 4,	30.28	33.0	40	26	58	67	62.0	N.W.	E.	7	6	C.	C.		0.00
Thursday, 5,	30.14	37.0	43	31	72	66	69.0	N.W.	N.	5	16	O.	O.		0.00
Friday, 6,	30.14	40.0	45	35	62	51	56.0	N.	N.	16	12	C.	C.		0.01
Saturday, 7,	30.06	40.0	47	33	56	58	57.0	N.	N.	16	9	C.	O.		0.00
Week, - -	30.15		45	33			56.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 13 smaller towns of Massachusetts, as reported to the State Board of Health for the month of October.

The total death-rate of reporting towns for the month was 20.53.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from Infectious Diseases.	Deaths from Consumption.	Deaths from Lung Diseases.	Deaths from Diarrhœal Diseases.	Deaths from Diphtheria and Croup.
Stoneham, ...	6,035	5	2	..	1	..	..	..
Middleborough, . . .	5,233	7	0	..	4	..	..	..
Concord, ...	4,457	13	3	2	2	1	..	..
Easton, ...	4,439	9	3	4	..	..	1	3
Hudson, ...	4,185	10	3	4	2	..	..	2
Wrentham, ...	2,892	2	1	1	..	1	1	..
Merrimac, ...	2,492	3	0	1	1	..	1	..
Dalton, ...	2,325	3	2	2	..	..	2	..
Norton, ...	1,785	6	2	..	..	1	1	..
Conway, ...	1,573	2	0	..	1	..	..	..
Shrewsbury, ...	1,450	1	0	..	..	..	..	..
Topsfield, ...	1,141	4	0	..	..	2	..	..
Truro, ...	972	0	0	..	..	..	..	..
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Total of reporting towns, . .	37,979	65	16	14	11	5	6	5

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 14, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of October.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

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VOL. IX. No. 45.

STATE BOARD OF HEALTH.

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Gen. MORRIS SCHAFF, Pittsfield.

SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 14, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	179	57	19	21	2	4	10
Worcester,	84,655	24	12	6	3	1	1	1
Lowell,	77,696	29	10	1	2	1	..	..
Fall River,	74,398	18	5	5	1	..	4	..
Cambridge,	70,028	28	8	3	2	1	2	..
Lynn,	55,727	17	5	2	2	..	..	..
Lawrence,	44,654	17	8	2	2	2	..	..
Springfield,	44,179	16	7	2	3	..	..	1
New Bedford,	40,733	21	9	6	1	3	..	2
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	7	3	..	..	..	..	..
Chelsea,	27,909	18	..	1	1	..	..	1
Haverhill,	27,412	16	2	1	..	1	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	12	2	3	2	..	..	2
Gloucester,	24,651	5	2	1	1	..	..	..
Newton,	24,379	6	2	2	1	..	..	2
Malden,	23,031	8	4	1	2	..	..	1
Fitchburg,	22,037	6	4	1	..	..	..	..
Waltham,	18,707	4	1	1	..	..	..	..
Pittsfield,	17,281	5	2	..	..	..	..	..
Quincy,	16,723	2	0	..	1	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	4	1	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	1	1	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	1	1	..	..	..	1
Peabody,	10,158	8	3	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,244,300	455	149	58	46	11	11	21

DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 21; typhoid fever, 11; diarrhœal diseases, 11; cerebro-spinal meningitis, 6; whooping-cough, 3; erysipelas, 3; scarlet-fever, 2; puerperal fever, 1.

No deaths were reported from small-pox, malarial fever and measles.

There were 54 deaths from acute lung diseases; consumption, 46; and still-births, 31.

From cerebro-spinal meningitis: Worcester, 2; Fall River, Taunton, Gloucester and Fitchburg, 1 each. From whooping-cough: Boston, Springfield and Waltham, 1 each. From erysipelas: Boston, Worcester and New Bedford, 1 each. From scarlet-fever: Lynn, 2. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 58 against 61 for the preceding week.

Deaths under five years of age numbered 149 against 124 for the preceding week.

Cases reported in Boston: typhoid fever, 38; scarlet-fever, 36; diphtheria, 24; and measles, 13.

The death rates for the week were: Boston, 20.75; Worcester, 14.73; Lowell, 19.40; Fall River, 12.57; Cambridge, 20.81; Lynn, 15.86; Lawrence, 19.79; Springfield, 18.83; New Bedford, 26.80; Somerville, ——; Holyoke, ——; Salem, 11.81; Chelsea, 33.53; Haverhill, 30.35; Brockton, ——; Taunton, 24.52; Gloucester, 10.53; Newton, 12.79; Malden, 18.06; Fitchburg, 14.15; Waltham, 11.11; Pittsfield, 15.04; Quincy, 6.21; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 14.91; Marlborough, ——; Woburn, ——.

The total death rate for the week was 19.01 against 18.91 and 18.49 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 14, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	30.12	42.0	44	39	84	85	84.0	N.	Calm.	10	Calm.	O.	C.		0.00
Monday, 9,	30.29	40.0	45	34	91	92	92.0	N.W.	S.W.	1	11	G.	O.		0.00
Tuesday, 10,	30.26	46.0	52	41	96	100	98.0	S.	E.	10	12	O.	O.		Trace.
Wedues'y, 11,	29.96	56.0	66	47	100	97	98.0	E.	S.W.	10	8	G.	O.		0.35
Thursday, 12,	29.99	54.0	63	45	88	59	71.0	W.	W.	10	12	C.	O.		0.00
Friday, 13,	30.25	45.0	52	33	76	54	65.0	W.	N.W.	12	6	C.	C.		0.00
Saturday, 14,	30.44	44.0	50	37	68	58	63.0	W.	W.	6	10	C.	F.		0.00
Week, - -	30.19	46.7	53.1	40.1	85.4	77.9	81.6			8.4	8.4				0.05

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	164	157	321	Maple Syrup,	3	0	3
Butter,	4	6	10	Canned Goods,	0	1	1
Cheese,	5	0	5	Honey,	6	1	7
Lard,	2	1	3	Tea,	14	0	14
Olive Oil,	1	0	1	Coffee,	8	2	10
Vinegar,	1	0	1	Cocoa,	1	0	1
Spices,	42	10	52	Confectionery,	7	2	9
Cream of Tartar,	19	1	20	Other articles of Food and Drinks,	8	2	10
Molasses,	2	0	2	Drugs,	26	13	39
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	313	196	509

Percentage of adulteration, 38.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The percentage of samples of milk found to be below the standard was 48.9. The number of samples which contained between 12 and 13 per cent. of solids was 114.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violation of statutes in regard to the sale of Coffee, Honey and Milk. Fines were imposed amounting to $195.

The samples of drugs found to be adulterated were Benzoic Acid, Diluted Hydrobromic Acid, Stronger Ether, Alcohol, Subnitrate of Bismuth, Ethereal Oil and Brandy.

The cities and towns from which samples of food were collected were: Acton, Adams, Ayer, Boston, Brookline, Cambridge, Chelsea, Dedham, Fall River, Framingham, Gloucester, Holden, Hyde Park, Lawrence, Lowell, Malden, Marlborough, Milton, Newton, North Adams, Quincy, Salem, Somerville, Sterling, Waltham, Worcester and Westfield.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 21, 1891.

AN OFFICIAL PUBLICATION OF THE

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 21, 1891.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	182	49	18	30	1	5	8
Worcester,	84,655	24	11	2	5	..	..	..
Lowell,	77,696	18	6	3	1	2	1	..
Fall River,	74,398	23	6	3	3	2	..	..
Cambridge,	70,028	36	6	3	8	3	..	..
Lynn,	55,727	24	5	3	4	1	1	..
Lawrence,	44,654	22	7	5	2	2	1	2
Springfield,	44,179	11	2	1	2	..	..	1
New Bedford,	40,733	6	3	1	1	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	9	1	..	..	..	..	..
Chelsea,	27,909	20	9	4	1	..	1	3
Haverhill,	27,412	5	1	..	1	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	2	0	..	..	..	..	..
Gloucester,	24,651	3	1	..	..	..	..	..
Newton,	24,379	9	3	..	1	..	..	..
Malden,	23,031	12	1	..	2	..	..	..
Fitchburg,	22,037	9	2	..	2	..	..	..
Waltham,	18,707	6	0	..	..	..	..	..
Pittsfield,	17,281	6	1	1	3	..	..	..
Quincy,	16,723	3	1	1	..	..	..	1
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	1	1	3	..	..	1
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	2	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	4	0	2	..	..	2	..
Peabody,	10,158	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,237,628	445	117	48	69	12	11	16

DEATHS FROM PREVALENT DISEASES IN THE 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 16; diarrhœal diseases, 12; typhoid fever, 11; scarlet-fever, 4; whooping-cough, 2; cerebro-spinal meningitis, 2; measles, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 69 deaths from acute lung diseases; consumption, 63; and still-births, 21.

From scarlet-fever: Boston, 2; Worcester and Pittsfield, 1 each. From whooping-cough: Boston, 2. From cerebro-spinal meningitis: Worcester and Lynn, 1 each. From measles: Fall River, 1.

Deaths from the principal infectious diseases numbered 48 against 58 for the preceding week.

Deaths under five years of age numbered 117 against 149 for the preceding week.

Cases reported in Boston: scarlet-fever, 42; diphtheria, 21; typhoid fever, 15; and measles, 5.

The death rates for the week were: Boston, 21.10; Worcester, 15.73; Lowell, 12.04; Fall River, 16.07; Cambridge, 26.73; Lynn, 22.39; Lawrence, 23.28; Springfield, 12.80; New Bedford, 7.65; Somerville, ——; Holyoke, ——; Salem, 15.19; Chelsea, 37.26; Haverhill, 9.48; Brockton, ——; Taunton, 4.08; Gloucester, 6.31; Newton, 19.19; Malden, 27.09; Fitchburg, 21.23; Waltham, 16.64; Pittsfield, 18.05; Quincy, 9.32; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 26.09; Marlborough, ——; Woburn, ——.

The total death rate for the week was 18.69 against 19.01 and 18.91 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 21, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.68	34.0	39	30	59	69	64.0	N.W.	S.E.	9	7	C.	C.		0.00
Monday, 16,	30.41	46.0	57	35	77	88	82.0	S.	S.	10	24	O.	O.		0.00
Tuesday, 17,	29.86	53.0	66	40	84	92	88.0	S.	W.	21	15	O.	N.†		0.62
Wednes'y, 18,	30.32	34.0	38	30	56	58	57.0	W.	W.	19	12	C.	C.		0.00
Thursday, 19,	30.76	32.0	40	23	59	63	61.0	W.	S.	10	9	C.	C.		0.00
Friday, 20,	30.61	42.0	51	32	62	74	68.0	S.W.	S.W.	10	10	O.	C.		0.00
Saturday, 21,	30.51	44.0	51	38	84	92	88.0	S.W.	S.E.	1	12	G.	F.		0.00
Week, - -	30.45	40.7	48.9	32.6	68.7	76.6	72.6			11.4	12.7				0.09

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.
† Sleety.

Weekly Return of Mortality

—OF—

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MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 28, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the mouth.

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CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	448,477	177	61	22	38	3	2	13
Worcester,	84,655	34	12	5	6	1	..	1
Lowell,	77,696	28	8	3	1	2	1	..
Fall River,	74,398	30	10	6	5	1	3	2
Cambridge,	70,028	27	5	..	5	..	..	..
Lynn,	55,727	23	6	4	1	..	..	..
Lawrence,	44,654	22	10	5	4	1	1	3
Springfield,	44,179	16	5	3	..	1	..	1
New Bedford,	40,733	16	9	1	1	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	8	0	..	1	..	..	..
Chelsea,	27,909	13	5	3	..	..	..	3
Haverhill,	27,412	8	2	..	2	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	10	2	1	2	1	..	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	4	0	..	1	..	..	..
Malden,	23,031	8	2	1	..	..	..	1
Fitchburg,	22,037	6	3	1	1	..	..	1
Waltham,	18,707	7	0	..	1	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	1	0	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	11	4	2	..	..	..	2
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	5	0	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	5	0	..	..	..	..	..
Hyde Park,	10,193	4	1	..	1	..	..	..
Peabody,	10,158	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,212,792	465	145	57	70	10	7	27

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 27; diarrhœal diseases, 10; typhoid fever, 7; scarlet-fever, 6; cerebro-spinal meningitis, 4; whooping-cough, 2; erysipelas, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 76 deaths from acute lung diseases; consumption, 47; and still-births, 26.

From scarlet-fever: Boston, 3; Worcester, 2; Lynn, 1. From cerebro-spinal meningitis: Lynn, 3; Worcester, 1. From whooping-cough: Boston and New Bedford, 1 each. From erysipelas: Springfield, 1.

Deaths from the principal infectious diseases numbered 57 against 48 for the preceding week.

Deaths under five years of age numbered 145 against 117 for the preceding week.

Cases reported in Boston: scarlet-fever, 30; diphtheria, 29; typhoid fever, 11; and measles, 10.

The death rates for the week were: Boston, 20.58; Worcester, 20.94; Lowell, 18.79; Fall River, 21.02; Cambridge, 20.10; Lynn, 21.52; Lawrence, 25.69; Springfield, 18.88; New Bedford, 20.48; Somerville, ——; Holyoke, ——; Salem, 13.54; Chelsea, 24.29; Haverhill, 15.22; Brockton, ——; Taunton, 20.49; Gloucester, ——; Newton, 8.55; Malden, 18.11; Fitchburg, 14.19; Waltham, 19.51; Pittsfield, ——; Quincy, 3.12; Northampton, ——; Chicopee, ——; Newburyport, 41.12; Marlborough, ——; Woburn, ——.

The total death rate for the week was 19.99 against 18.69 and 19.01 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 28, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	30.25	48.0	55	42	92	76	84.0	S. E.	S.	2	12	O.	O.		0.00
Monday, 23,	29.70	54.0	60	47	84	88	86.0	S.	S. E.	7	22	R.	R.		0.05
Tuesday, 24,	29.60	50.0	54	46	65	53	59.0	S. W.	S. W.	20	19	C.	C.		0.05
Wednes'y, 25,	29.97	42.0	49	36	62	58	60.0	S. W.	S. W.	11	18	C.	C.		0.00
Thursday, 26,	30.04	38.0	42	34	60	79	70.0	W.	N.	5	8	C.	R.		0.01
Friday, 27,	29.64	42.0	49	36	92	68	80.0	W.	S.	11	9	O.	C.		1.24
Saturday, 28,	29.84	44.0	56	33	80	66	73.0	S. W.	N.	18	16	O.	O.		0.02
Week. - -	29.86	45.4	52.1	39.1	76.4	69.7	73.1			10.6	14.9				0.20

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

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MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 5, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

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CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal meningitis.
Boston,	448,477	201	61	12	40	7	5	..
Worcester,	84,655	32	12	6	7	1	..	2
Lowell,	77,696	34	12	..	3	..	..	..
Fall River,	74,398	16	5	2	3	1	1	..
Cambridge,	70,028	18	3	1	2	..	..	..
Lynn,	55,727	..	..	..	..	..	..	..
Lawrence,	44,654	18	5	3	3	1	1	..
Springfield,	44,179	20	4	3	4	..	..	..
New Bedford,	40,733	18	7	2	..	..	1	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	2	..	1	..	..	..
Chelsea,	27,909	13	6	2	5	2	..	..
Haverhill,	27,412	10	2	1	..	..	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	9	3	..	..	..	..	..
Gloucester,	24,651	9	4	3	2	..	..	3
Newton,	24,379	9	3	3	2	2	..	..
Malden,	23,031	6	..	..	2	..	..	..
Fitchburg,	22,037	10	..	1	2	..	..	1
Waltham,	18,707	8	..	1	..	..	1	..
Pittsfield,	17,281	6	1	..	4	..	..	..
Quincy,	16,723	7	0	2	..	..	1	1
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	7	2	2	..	1	1	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	5	2	..	2	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	2	0	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal meningitis.
Total of reporting towns,	1,188,804	470	134	44	82	15	12	7

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 15; typhoid fever, 12; cerebro-spinal meningitis, 7; scarlet-fever, 4; diarrhœal diseases, 4; whooping-cough, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 82 deaths from acute lung diseases; consumption, 62; and still-births, 39.

From scarlet-fever: Worcester, Cambridge, Springfield and New Bedford, 1 each. From diarrhœal diseases: Worcester, 2; Lawrence, 1; Newton, 1. From whooping-cough: Springfield, 1. From puerperal fever: Springfield, 1.

Deaths from the principal infectious diseases numbered 44 against 57 for the preceding week.

Deaths under five years of age numbered 134 against 145 for the preceding week.

Cases reported in Boston: scarlet-fever, 35; typhoid fever, 23; diphtheria, 17; measles, 3.

The death rates for the week were: Boston, 23.37; Worcester, 19.71; Lowell, 22.81; Fall River, 11.21; Cambridge, 13.40; Lynn, ——; Lawrence, 21.02; Springfield, 23.60; New Bedford, 23.04; Somerville, ——; Holyoke, ——; Salem, 16.92; Chelsea, 24.29; Haverhill, 19.02; Brockton, ——; Taunton, 18.44; Gloucester, 19.03; Newton, 19.24; Malden, 13.58; Fitchburg, 23.66; Waltham, 22.29; Pittsfield, 18.10; Quincy, 21.82; Northampton, ——; Chicopee, ——; Newburyport, 26.17; Marlborough, ——; Woburn, ——.

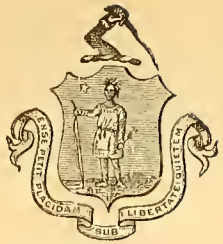
The total death rate for the week was 20.61 against 19.99 and 18.69 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 5, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Nov. 29,	30.26	19.0	22	16	47	58	52.0	N.W.	N.W.		16	10		O.	O.			0.00
Monday, 30,	30.26	18.0	28	9	75	55	65.0	N.W.	W.		13	12		C.	C.			0.00
Tuesday, Dec. 1,	30.27	32.0	44	21	72	54	63.0	W.	S.W.		8	15		C.	C.			0.00
Wednes'y, 2,	30.12	44.0	54	35	43	49	46.0	S.W.	W.		13	16		O.	C.			0.00
Thursday, 3,	30.28	50.0	58	41	62	81	72.0	W.	S.E.		12	6		F.	C.			0.00
Friday, 4,	30.48	48.0	56	40	96	91	94.0	S.E.	S.E.		7	24		G.	R.			0.02
Saturday, 5,	30.00	48.0	54	41	62	56	59.0	S.W.	S.W.		17	22		C.	C.			0.29
Week, - -	30.24	40.1	45.1	29.0	65.3	63.4	64.4				12.3	15.0						0.00

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.



Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 12, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 49.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*
F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 12, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	448,477	213	64	19	56	4	13	2
Worcester,	84,655	26	11	7	6	1	2	..
Lowell,	77,696	34	9	5	5	..	1	..
Fall River,	74,398	27	7	1	3	..	1	..
Cambridge,	70,028	24	6	..	6	..	..	..
Lynn,	55,727	12	..	1	2	..	..	..
Lawrence,	44,654	21	4	3	7	..	2	1
Springfield,	44,179	17	4	3	..	2	..	..
New Bedford,	40,733	29	12	1	3	1	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	6	1	..	..	..	..	..
Chelsea,	27,909	15	6	..	3	..	..	..
Haverhill,	27,412	14	5	2	1	..	1	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	7	3	..	..	..	..	..
Gloucester,	24,651	5	2	..	..	..	..	..
Newton,	24,379	5	1	..	3	..	..	..
Malden,	23,031	6	1	..	1	..	..	..
Fitchburg,	22,037	12	7	..	..	..	..	..
Waltham,	18,707	6	0	1	1	1	..	..
Pittsfield,	17,281	2	0	1	..	..	..	1
Quincy,	16,723	4	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	..	..	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	3	1	..	..	..	1
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	4	0	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	5	0	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,230,584	497	147	46	97	9	20	5

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 20; typhoid fever, 9; cerebro-spinal meningitis, 7; scarlet-fever, 5; diarrhœal diseases, 4; erysipelas, 1.

No deaths were reported from small-pox, malarial fever, whooping-cough and puerperal fever.

There were 97 deaths from acute lung diseases; consumption, 66; and still-births, 31.

From cerebro-spinal meningitis: Worcester, 3; Lowell, 2; Lynn and Haverhill, 1 each. From diarrhœal diseases: Worcester, Lowell, Springfield and Peabody, 1 each. From erysipelas: Lowell, 1.

Deaths from the principal infectious diseases numbered 46 against 44 for the preceding week.

Deaths under five years of age numbered 147 against 134 for the preceding week.

Cases reported in Boston: scarlet-fever, 54; diphtheria, 26; measles, 24; and typhoid fever, 23.

The death rates for the week were: Boston, 24.76; Worcester, 16.01; Lowell, 22.81; Fall River, 18.97; Cambridge, 17.87; Lynn, 11.19; Lawrence, 24.45; Springfield, 20.06; New Bedford, 37.12; Somerville, ——; Holyoke, ——; Salem, 10.16; Chelsea, 28.02; Haverhill, 26.63; Brockton, ——; Taunton, 14.34; Gloucester, 10.57; Newton, 10.69; Malden, 13.58; Fitchburg, 28.39; Waltham, 16.72; Pittsfield, 6.03; Quincy, 12.47; Northampton, ——; Chicopee, ——; Newburyport, ——; Marlborough, ——; Woburn, ——.

The total death rate for the week was 21.00 against 20.61 and 19.99 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 12, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 6,	29.97	50.0	56	44	51	46	44.0	S. W.	S. W.	15	6	.	O.			0.00
Monday, 7,	29.70	50.0	57	42	94	61	78.0	S. W.	N. W.	15	22	R.	O.			0.39
Tuesday, 8,	30.24	37.0	42	32	58	51	54.0	W.	S. W.	7	13	C.	C.			0.00
Wednes'y, 9,	30.15	42.0	51	34	43	49	46.0	S. W.	S. W.	26	16	O.	F.			0.00
Thursday, 10,	30.00	50.0	60	40	47	38	42.0	S. W.	W.	15	13	C.	C.			0.00
Friday, 11,	30.16	46.0	50	41	61	65	63.0	W.	W.	11	9	C.	C.			0.00
Saturday, 12,	30.09	40.0	47	33	64	58	61.0	W.	S. W.	10	18	C.	O.			0.00
Week, - -	30.04	45.0	52.0	38.0	60.0	53.0	55.0			14.0	14.0					.056

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 10 smaller towns of Massachusetts, as reported to the State Board of Health for the month of November.

The total death-rate of reporting towns for the month was 13.08.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from Infectious Diseases.	Deaths from Consumption.	Deaths from Lung Diseases.	Deaths from Diphtheria and Croup.	Deaths from Typhoid Fever.
Stoneham,	6,035	4	1	..	2	..	..	..
Middleborough,	5,233	4	1	1	1	..	..	..
Concord,	4,457	7	1	..	..	1	..	..
Easton,	4,439	3	0	2	..	..	2	..
Hudson,	4,185	7	2	2	1	..	1	1
Wrentham,	2,892	3	1	..	1	1	..	..
Merrimac,	2,492	4	0	..	1	1	..	..
Norton,	1,785	1	0	..	..	..	..	..
Shrewsbury,	1,450	1	0	..	..	..	..	..
Truro,	972	3	0	..	..	..	..	..
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Total of reporting towns,	33,940	37	6	5	6	3	3	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 19, 1891,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of November.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

Price 25 Cents a Year.

VOL. IX. No. 50.

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F. P. STEARNS, C.E., *Engineer.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 19, 1891.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Boston,	448,477	230	62	29	47	2	16	4
Worcester,	84,655	34	9	5	9	..	..	2
Lowell,	77,696	21	6	3	2	1	..	..
Fall River,	74,398	33	11	1	6	..	..	..
Cambridge,	70,028	22	6	5	3	1	3	..
Lynn,	55,727	12	3	..	2	..	..	..
Lawrence,	44,654	36	12	3	8	..	2	1
Springfield,	44,179	19	2	3	5	1	..	1
New Bedford,	40,733	28	7	..	5	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	10	2	..	1	..	..	..
Chelsea,	27,909	12	3	1	2	..	..	..
Haverhill,	27,412	14	2	..	..	..	..	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	11	5	..	1	..	..	..
Gloucester,	24,651	11	3	1	3	..	1	..
Newton,	24,379	9	1	2	3	1	1	..
Malden,	23,031	11	1	4	1	2	2	..
Fitchburg,	22,037	5	1	..	1	..	..	..
Waltham,	18,707	8	1	..	1	..	..	..
Pittsfield,	17,281	..	..	..	..	..	..	..
Quincy,	16,723	2	1	..	..	..	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	4	0	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	..	..	..	..	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	..	..	..	..	..	..	..
Peabody,	10,158	0	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,205,747	532	138	57	100	8	25	8

DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 25; diarrhœal diseases, 8; scarlet-fever, 8; typhoid fever, 7; cerebro-spinal meningitis, 4; whooping-cough, 3; erysipelas, 2.

No deaths were reported from small-pox, malarial fever, measles and puerperal fever.

There were reported 100 deaths from acute lung diseases; consumption, 58; and still-births, 29.

From typhoid fever: Boston, 4; Lowell, Fall River and Springfield, 1 each. From cerebro-spinal meningitis: Worcester, 3; Chelsea, 1. From whooping-cough: Boston, 2; Lowell, 1. From erysipelas: Boston and Cambridge, 1 each.

Deaths from the principal infectious diseases numbered 57 against 46 for the preceding week.

Deaths under five years of age numbered 138 against 147 for the preceding week.

Cases reported in Boston: scarlet-fever, 64; diphtheria, 34; typhoid fever, 21; and measles, 13.

The death rates for the week were: Boston, 26.66; Worcester, 20.87; Lowell, 14.05; Fall River, 23.06; Cambridge, 16.33; Lynn, 11.19; Lawrence, 41.91; Springfield, 22.36; New Bedford, 34.74; Somerville, ——; Holyoke, ——; Salem, 16.88; Chelsea, 22.35; Haverhill, 26.55; Brockton, ——; Taunton, 22.47; Gloucester, 23.16; Newton, 19.19; Malden, 24.83; Fitchburg, 11.79; Waltham, 22.23; Pittsfield, 9.07; Quincy, 6.20; North Adams, ——; Northampton, ——; Chicopee, ——; Newburyport, 14 91; Marlborough, ——; Woburn, ——.

The total death rate for the week was 22.94 against 21.00 and 20.61 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 19, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 13,	30.01	46.0	55	37	50	51	50.0	S. W.	W.	15	10	C.	C.		0.00
Monday, 14,	30.12	46.0	53	40	69	41	55.0	W.	N.	9	13	O.	O.		0.00
Tuesday, 15,	29.59	34.0	39	29	84	100	92.0	E.	E.	15	6	S.	R.		0.15
Wednes'y, 16,	29.42	39.0	45	33	96	57	76.0	N. W.	W.	10	18	R.	C.		0.26
Thursday, 17,	30.00	16.0	22	11	53	61	57.0	W.	N. W.	20	22	C.	C.		0.00
Friday, 18,	30.45	23.0	34	12	68	47	58.0	W.	W.	13	12	C.	C.		0.00
Saturday, 19,	30.32	34.0	42	25	57	64	60.0	W.	N. W.	9	10	C.	C.		0.00
Week, - -	29.99	34.0	41.4	26.7	68.1	47.3	64.0			13.0	13.0				.059

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	116	112	228	Maple Syrup,	..	..	..
Butter,	13	10	23	Canned Goods,	..	4	4
Cheese,	7	..	7	Honey,	2	2	4
Lard,	2	..	2	Tea,	4	..	4
Olive Oil,	1	1	2	Coffee,	2	5	7
Vinegar,	5	5	10	Cocoa,	..	..	..
Spices,	60	15	75	Confectionery,	5	..	5
Cream of Tartar,	30	1	31	Other articles of Food and Drinks,	9	1	10
Molasses,	16	1	17	Drugs,	34	15	49
Syrups,	3	0	3				
Maple Sugar,	..	..	..				
				Totals,	309	172	481

Percentage of adulteration, 35.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be adulterated was 49.1.

Examination of samples of a food preparation, bearing the label "BURNHAM'S CLAM BOUILLON," shows that it contains Salicylic Acid, a drug which should not be used as a food preservative.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Of these three were for violation of statutes relating to the sale of Milk, two of Butter, two of Confectionery, one of Honey and one of Coffee. In eight cases the parties were convicted. Fines were imposed amounting to $360.

The samples of drugs found to be adulterated were Benzoic Acid, Ether, Alcohol, Distilled Water, Bismuth Subcarbonate, Extract of Licorice, Powdered Opium and Red Wine.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 26, 1891.

AN OFFICIAL PUBLICATION OF THE

STATE BOARD OF HEALTH.

CIRCULATION, 500 COPIES.

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MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 26, 1891.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Boston,	448,477	292	72	24	86	3	11	6
Worcester,	84,655	48	15	3	17	2	..	..
Lowell,	77,696	35	14	2	9	1	..	..
Fall River,	74,398	31	12	..	8	..	..	..
Cambridge,	70,028	24	6	..	10	..	..	..
Lynn,	55,727	28	5	4	6	..	..	3
Lawrence,	44,654	47	11	4	18	..	3	1
Springfield,	44,179	33	10	2	7	..	..	..
New Bedford,	40,733	33	8	1	3	..	..	..
Somerville,	40,152	..	..	..	..	..	..	..
Holyoke,	35,637	..	..	..	..	..	..	..
Salem,	30,801	15	2	..	1	..	..	..
Chelsea,	27,909	15	5	3	4	..	3	..
Haverhill,	27,412	12	2	2	..	..	2	..
Brockton,	27,294	..	..	..	..	..	..	..
Taunton,	25,445	11	2	..	1	..	..	..
Gloucester,	24,651	..	..	..	..	..	..	..
Newton,	24,379	11	1	..	2	..	..	..
Malden,	23,031	13	..	2	4	..	2	..
Fitchburg,	22,037	9	4	1	1	..	1	..
Waltham,	18,707	9	3	..	1	..	..	..
Pittsfield,	17,281	4	0	1	..	..	1	..
Quincy,	16,723	7	1	1	1	1	..	..
North Adams,	16,074	..	..	..	..	..	..	..
Northampton,	14,990	..	..	..	..	..	..	..
Chicopee,	14,050	..	..	..	..	..	..	..
Newburyport,	13,947	5	3	..	..	..	..	..
Marlborough,	13,805	..	..	..	..	..	..	..
Woburn,	13,499	..	..	..	..	..	..	..
Brookline,	12,103	..	..	..	..	..	..	..
Medford,	11,079	3	0	..	1	..	..	..
Everett,	11,068	..	..	..	..	..	..	..
Weymouth,	10,866	..	..	..	..	..	..	..
Beverly,	10,821	..	..	..	..	..	..	..
Clinton,	10,424	..	..	..	..	..	..	..
Hyde Park,	10,193	8	2	1	4	..	..	..
Peabody,	10,158	1	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-Fever.
Total of reporting towns,	1,219,549	694	178	51	185	7	23	10

DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 23; scarlet-fever, 10; typhoid fever, 7; diarrhœal diseases, 5; whooping-cough, 4; erysipelas, 1; cerebro-spinal meningitis, 1.

There were 185 deaths from acute lung diseases; consumption, 64; La Grippe, 25; and still-births, 25.

No deaths were reported from small-pox, malarial fever, puerperal fever and measles.

From diarrhœal diseases: Worcester, Lowell, Lynn, Springfield and Hyde Park, 1 each. From whooping-cough: Boston, 3; Springfield, 1. From erysipelas: Boston, 1. From cerebro-spinal meningitis: New Bedford, 1.

Deaths from the principal infectious diseases numbered 51 against 57 for the preceding week.

Deaths under five years of age numbered 178 against 138 for the preceding week.

Cases reported in Boston: scarlet-fever, 61; diphtheria, 27; typhoid fever, 8; and measles, 2.

The death rates for the week were: Boston, 33.85; Worcester, 27.47; Lowell, 23.41; Fall River, 21.66; Cambridge, 17.82; Lynn, 26.12; Lawrence, 45.47; Springfield, 38.84; New Bedford, 42.12; Somerville, ——; Holyoke, ——; Salem, 25.32; Chelsea, 27.94; Haverhill, 22.76; Brockton, ——; Taunton, 22.47; Gloucester, ——; Newton, 23.46; Malden, 29.35; Fitchburg, 21.23; Waltham, 25.01; Pittsfield, 12.03; Quincy, 21.76; Northampton, ——; Chicopee, ——; Newburyport, 18.64; Marlborough, ——; Woburn, ——.

The total death rate for the week was 29.95 against 22.94 and 21.00 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 26, 1891.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 20,	30.45	33.5	40	27	73	79	76.0	N. W.	N.	5	1	F.	O.		0.00
Monday, 21,	30.43	39.5	44	35	79	100	90.0	N. W.	S. E.	2	9	G.	G.		0.00
Tuesday, 22,	30.29	44.0	53	35	96	87	92.0	S. W.	S. W.	11	22	O.	O.		0.00
Wednes'y, 23,	30.01	58.0	64	52	94	81	88.0	S. W.	S. W.	12	27	R.	G.		0.42
Thursday, 24,	30.12	43.5	46	41	75	100	88.0	N.	N. E.	13	18	O.	R.		0.42
Friday, 25,	30.17	39.5	41	38	96	92	94.0	N.	N. E.	15	2	R.	O.		0.16
Saturday, 26,	29.76	48.0	57	39	92	91	92.0	S.	S. W.	9	21	O.	O.		0.22
Week, - -	30.18	43.7	49.0	38.0	86.0	90.0	89.0			10.0	14.0				0.174

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

J. HOLZER
BINDER
BOSTON, MASS.